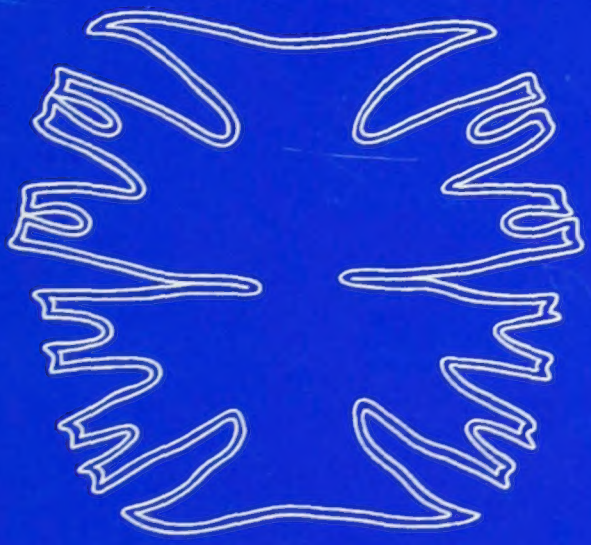
P. A. C. Senna
M. G. M. Souza
P. Compère

A check-list of the algae of the Federal District (Brazil)



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A check-list of the algae of the Federal District (Brazil)

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Adresses of the authors

P. A. C. Senna (author for correspondence), Universidade Federal de São Carlos, Departamento de Ecologia e Biologia Evolutiva, Caixa Postal 676, 13.565-905, São Carlos, SP (Brazil). M. G. M. Souza, Universidade de Brasília, Departamento de Botânica, Caixa Postal 4631, 70919-970, Brasília, DF (Brazil). P. Compère, Jardin Botanique National de Belgique, Domaine de Bouchout, B-1860 Meise (Belgique).

Cover illustration: *Micrasterias comperei* (del. O. Van De Kerckhove)

New taxonomic combinations: see p. 81

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Abstracts

Abstract. — The aim of this publication is to provide a list of all the algae reported from the Federal District of Brazil up to the beginning of 1998. A total of 711 names, comprising genera and infrageneric taxa, has been cited in the 65 references located. These are distributed in seven divisions: Cyanophyta, Chlorophyta, Euglenophyta, Pyrrhophyta, Rhodophyta, Dinophyta and Chromophyta. The taxa are arranged in alphabetical order within their respective orders, classes and divisions. Data on the author(s) of the paper, year of publication, page number, collection site and habitat are also included, when possible. The names are given as they appeared in the different publications; when they differ from the currently accepted name of the taxon, the latter is given between square brackets [ ] with some comments if necessary. Five new combinations in the Cyanophyta and one in the Desmids are formally established in an appendix at the end of the paper.
Key words. — Freshwater algae, Federal District, Brazil, catalogue, literature.

Resumo . — *Catálogo das algas do Distrito Federal (Brasil).* O objetivo deste trabalho é fornecer uma lista de todas as algas citadas em literatura para o Distrito Federal desde 1970 até o início de 1998. Um total de 711 nomes, compreendendo gêneros e táxons infra-genéricos, foram obtidos de 65 referências bibliográficas. Eles estão distribuídos em sete divisões: Cyanophyta, Chlorophyta, Euglenophyta, Pyrrhophyta, Rhodophyta, Dinophyta and Chromophyta. Os nomes dos táxons, estão distribuídos em ordem alfabética nas suas respectivas ordens, classes e divisões. Sempre que possível, o(s) nome(s) do(s) autor(es) da publicação, ano, número da página onde o táxon é referido, local de coleta e habitat também foram fornecidos. Quando o nome de um táxon difere daquele atualmente aceito, este vem colocado entre colchetes [ ], com comentários quando pertinentes. Cinco novas combinações nas cianófitas e uma nas desmídias são propostas formalmente em um apêndice próprio neste trabalho.

Palavras-chave . — Algas de águas continentais, Distrito Federal, catálogo, índice de algas citadas em literatura, Brasil.

Acknowledgements

We thank the late Mr. Alasdair G. Burman and Dr. Ken Roche for reviewing the English; we are grateful to Prof. Dr. J. Komárek for his invaluable suggestions and comments and to the Brazilian Financial Agency (CNPq) for the grant n° 30.1954/82 to the first author.

Introduction

The Federal District (fig. 1) is situated between the latitudes of 15°30' and 16°03' South and the longitudes 47°25' and 48°12' West, on the Central Highland of the Centre-West Region of Brazil. It is surrounded by the State of Goiás, except where it reaches, in the south-east, the State of Minas Gerais. The area is ca. 5753 km², corresponding to 0.0006 % of the area of the entire country (CODEPLAN 1984).

Although very small in comparison to the other administrative units of the Federation of Brazil, the Federal District is rich in aquatic ecosystems, consisting of rivers, streams, lakes, flooded areas ("murunduns"), and reservoirs (GANEM & SENNA 1984). One of the latter, the first to be constructed and of great importance for Brazilian society, is Paranoá Reservoir. Since its construction, it has been the object of intense limnological and hydrobiological studies.

It was the couple Lejeune P.H. de Oliveira and Luiza Krau (at the time, researchers at the Oswaldo Cruz Institute, Rio de Janeiro) who, in 1970, published the first work on a water-body in the Federal District, namely Paranoá Reservoir (OLIVEIRA & KRAU 1970). This work covered some hydrobiological aspects of the reservoir and included a list of algal species encountered.

During the 1970's, the studies which mentioned the algae of the Federal District were almost all limnological in nature, wherein these organisms were generally treated at the level of genus, with no consideration of taxonomic aspects (ALMEIDA 1979, BRANCO 1976, BJÖRK 1975, 1979, CORDEIRO-NETO & DUTRA-FILHO 1981, FERREIRA & OVIDÍO-FILHO 1975, LINDMARK 1976, 1977, 1979, MOURA et al. 1979, ROCHA 1979, SILVA 1977).

The only exception during that period were the works of CRONBERG (1976, 1977), who identified some algae from a few samples taken in the Federal District and adjacent areas. In her reports to the Water and Sewage Company of Brasilia (CAESB), G. Cronberg, a member of the team of S. Björk (University of Lund, Sweden), who came to study limnological aspects of Paranoá Reservoir and other water-bodies of the Federal District, supplied lists of algae encountered, usually identified to species, although rarely accompanied by morphological details, such as measurements or illustrations.

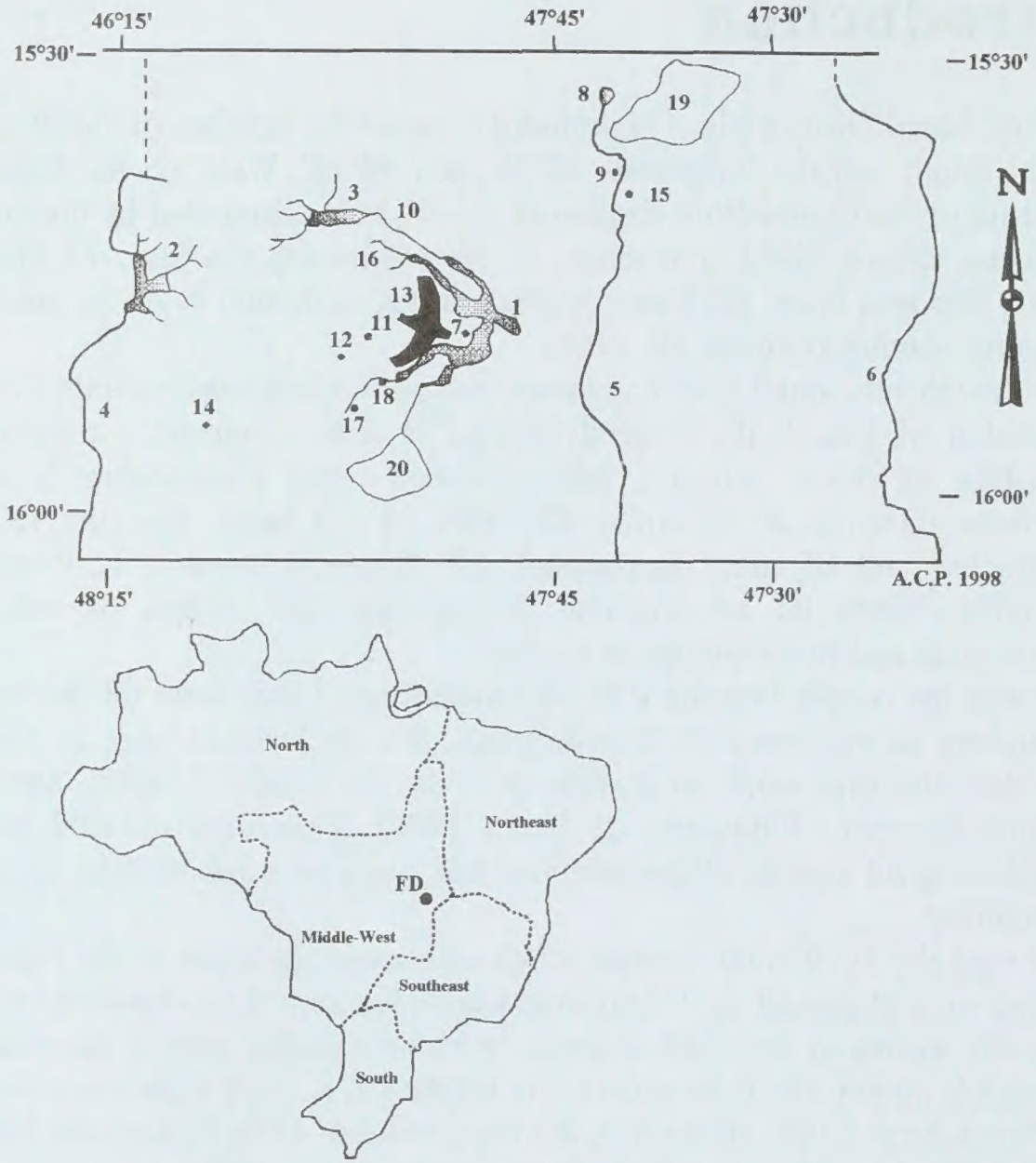

Figure 1. Map of the Federal District, showing most of the localities from which the algae cited herein were collected; (1) Paranoá Reservoir; (2) Descoberto Reservoir; (3) Santa Maria Reservoir; (4) Descoberto River; (5) São Bartolomeu River; (6) Preto River; (7) Jaburú Pond; (8) Bonita Lake; (9) Joaquim Medeiros and Carás ponds; (10) Torto Reservoir; (11) Guará I oxidation pond; (12) Guará II oxidation pond; (13) RCG oxidation pond; (14) Só Frango oxidation pond; (15) Planaltina oxidation pond; (16) Granja do Ipê (a farm); (17) Núcleo Bandeirantes (city); (18) Zoological Garden; (19) Biological Reserve of Águas Emendadas; (20) Água Limpa Farm.

In the 1980's and into the 1990's, the nature of the phycological studies in the Federal District changed markedly. Besides the limnological studies which included worthwhile taxonomic treatments of algae (BRANCO 1991, BRANCO & SENNA 1991, 1994, 1996a, 1996b, FERREIRA 1988, FREITAS 1983, GIANI 1984, GRANDO 1990, LEITE 1990, MATTOS et al. 1992, PAULA et al. 1982, PINTO-COELHO 1983, PINTO-COELHO & GIANI 1985, SANTOS 1985, SOMLYÓDY et al. 1989, STARLING 1993a, 1993b and TOLEDO 1986), several seasonal inventories of algae, in various water-bodies of the Federal District, were carried out, resulting in a considerable increase of the taxonomic knowledge of the algae of the region (BRANCO & SENNA 1991, CAMPOS 1986, CAMPOS & SENNA 1988, 1989, CARDOSO 1982, GANEM & SENNA 1984, GIANI & PINTO-COELHO 1986, LEITE & SENNA 1992, SENNA 1988, 1992a, 1992b, 1994, 1996, SENNA & FERREIRA 1986, 1987; SENNA & KOMÁREK 1998, SOUZA 1974, and SOUZA & MOREIRA-FILHO 1998a, 1998b).

As a result of the floristic inventories carried out, two groups of algae were recognized as being the best studied in the Federal District up to now: the Euglenophyceae and the Cyanophyceae. The extensive knowledge on the first group is due to the work of CARDOSO (1982), who examined samples taken from the entire region as part of her doctoral thesis. The Cyanophyceae were studied intensively over a period of ten years (from 1982 to 1992) from collections made in almost all the main aquatic habitats of the Federal District. The results have been published primarily by P. A. C. Senna and his students (BRANCO & SENNA 1991, 1994, 1996a, 1996b, CAMPOS 1986, CAMPOS & SENNA 1988, 1989, GIANI & PINTO-COELHO 1986, SENNA 1988, 1992a, 1992b, 1994, 1996, SENNA & FERREIA 1986, 1987, SENNA & KOMÁREK 1988).

The other major algal groups, such as the Chlorophyta, Chromophyta (Diatomophyceae, Xanthophyceae and Chrysophyceae) and Rhodophyta have been very poorly studied, despite almost all being well represented in the local flora.

Of these groups, only the Chlorophyta have received a degree of attention from limnologists and taxonomists (few) as a result of their universal presence in all the water-bodies of the region. It is worthwhile to emphasize that the few works which have considered these algae are basically limnological in character and have not always given exclusive treatment to this group, while the information given consists, at most, of measurements and figures. Of all these limnological works, the most important from the point of view of the quality of the information concerning these algae are

those of CRONBERG (1976, 1977) and LEITE (1990). Till now, the only studies to consider these algae taxonomically are COUTÉ & TELL (1981), who recorded a new species of *Ichthyocercus* (*I. cronbergii*) discovered by P. Bourrelly in some samples sent by G. Cronberg from her collections in the Federal District; GIANI & PINTO-COELHO (1986), who gave a list of algae from the northern part of Paranoá Reservoir; GANEM & SENNA (1984), who discovered a new species of *Micrasterias* (*M. comperei*) from the "murunduns" of Água Limpa Farm; DIAS (1990), who made an inventory of the filamentous Chlorophyta also from Água Limpa Farm, and LEITE & SENNA (1992, part of the first author's Master's thesis), who published the taxa (specific and infraspecific) of filamentous desmids of Bonita Lake.

For the Chromophyta, specifically the Diatomophyceae, the only taxonomic studies, with complete information on the taxa examined, are that of DE SOUZA (1994) and SOUZA & MOREIRA-FILHO (1998 a, 1998 b) who studied the diatoms of two macrophyte banks in Bonita Lake (Master's thesis).

With regard to the Xanthophyceae, Chrysophyceae and Rhodophyta, the existing information is even poorer in taxonomic details, consisting, in general, only of short comments on or lists of some of these groups.

The present work aims at providing a list of the taxa of algae (including blue-green algae), to genus, species and infraspecific level, found in the literature concerning the Federal District of Brazil. For this purpose, not only were specialist journals consulted, but also theses and official reports from state companies, when available. To date, the number of genera recognized in the area amounts to 138, that of species to 499 and that of species + infraspecific taxa to 555 (tab. 1). The Chlorophyta form 47.4 % of the algal flora, the Cyanophyta 24.1 %, the Euglenophyta 14.1 % and the Chromophyta (mostly diatoms) 12.8 % only, which point to the lack of thorough studies on this group.

Table 1
Numbers of genera and infrageneric taxa per major taxonomic group, recorded from the Federal District of Brazil.

	genera		species		infraspecific taxa	total	
taxonomic group	Number	%	Number	%	Number	Number	%
Cyanophyta	41	29.7	133	26.7	1	134	24.1
Chlorophyta	60	43.5	229	45.9	34	263	47.4
Euglenophyta	4	2.9	63	12.6	15	78	14.1
Pyrrhophyta	5	3.6	8	1.6	—	8	1.4
Rhodophyta	1	0.7	1	0.2	—	1	0.2
Chromophyta	27	19.6	65	13.0	6	71	12.8
Total	138	100	499	100	56	555	100

Check-list

The taxa are considered in alphabetical order within their respective orders, classes, and divisions, according to the classification schemes of BOURRELLY (1981, 1985 and 1990), with the exception of the Chlorococcales, which were classified according to KOMÁREK & FOTT (1983) and the Cyanophyceae, which nomenclature followed ANAGNOSTIDIS & KOMÁREK (1985, 1988, 1990) and KOMÁREK & ANAGNOSTIDIS (1986, 1989). For the diatoms we propose a slight emendation of Bourrelly's system: the order name Diatomales is replaced by Fragilariales and the diatoms provided with a canal raphe are separated from the Naviculales in the order Bacillariales.

The names of the taxa are those used in the original publications but the correct name according to current taxonomy of the group is given between square brackets [ ] when it differs from the name originally used. Accepted names are in ***bold italics***; synonyms, wrong identifications or spelling mistakes are in *italics*. Correct names were determined according to the recent edition of Süßwasserflora von Mitteleuropa (ETTL 1978, 1983, ETTL & GÄRTNER 1988, KRAMMER & LANGE-BERTALOT 1986-1991, POPOVSKÝ & PFIESTER 1990). For the diatoms, new genera proposed in ROUND et al. (1990) were accepted together with a more recent proposal by LANGE-BERTALOT (1996). A few new combinations, necessary to keep our nomenclature in agreement with recent taxonomic findings, are given in an appendix at the end of the check-list. Whenever possible, the author of the citation, the year of publication, the page number on which the reference was encountered, the location of collection, and the nature of the habitat are provided. The toponyms follow the index produced by KIRKBRIDE & FILGUEIRAS (1993) for the Federal District.

Cyanophyta

Cyanophyceae, Chroococcales

Anacystis Menegh.

Anacystis cyanea (Kütz.) Drouet & Daily [= ***Microcystis aeruginosa***, at least for the specimens recorded in Federal District]

Oliveira & Krau (1970: 101) - Paranoá Reservoir, Foz do Riacho Veredinha, Saco das Embaixadas (planktic).

Aphanocapsa Näg.

A. delicatissima W. & G.S. West

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

A. pulchra (Kütz.) Rabh.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

Aphanothece Näg.

A. castagnei (Kütz.) Rabh.

Senna (1992a: 263) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 87) - BR 020/030 road, km 58, farm; DF 095 road, Pontinha stream; Paranoá river, Mesquita Farm (planktic and metaphytic).

A. clathrata W. & G.S. West

Cronberg (1976: 15) - Paranoá Reservoir (planktic).

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Cronberg (1977: 52) - Descoberto Reservoir (planktic).

A. nidulans Richt. [=***A. smithii*** Kom.-Legner. & Cronb. in all reports from Federal District]

Campos (1986: 27) - Bonita lake (metaphytic).

Campos & Senna (1988: 13) - Bonita lake (metaphytic).

Senna (1988: 686) - Descoberto reservoir (planktic).

Branco (1991: 329) - Paranoá Reservoir (planktic).

Senna (1994: 87) - DF 100 road, Jibóia stream; DF 105 road, Barro Preto stream (planktic and metaphytic).

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic)

Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

A. saxicola Näg.

Branco (1991: 329) - Paranoá Reservoir (planktic).

Senna (1992a: 264) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 88) - BR 020/030 road, km 58, Boa Vista Farm; Fagundes Farm, 47° 32'3" W, 15° 36' 00"S; DF 130 road, Agricultural high school; Extrema stream (road between DF 320-DF 310); DF 100 road, Itapeti Farm (metaphytic and periphytic).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)

Branco & Senna (1996: 74): Paranoá Reservoir (planktic)

A. stagnina (Spreng.) A. Br.

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

Chroococcus Näg.

C. dispersus (Keissl.) Lemm.

Senna (1992a: 264) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 88) - BR 020/030 road, km 58, Nelson Avasan Farm; Buriti dos Melos Farm; DF 120 road, Café Arábia Farm (planktic and metaphytic).

C. limneticus Lemm.

Campos (1986: 29) - Bonita lake (metaphytic).

Campos & Senna (1988: 13) - Bonita lake (metaphytic).

Senna (1992a: 264) - Carás pond (planktic).

C. minimus (Keissl.) Lemm.

Senna (1992a: 265) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 88) - 47°32'3"W, 15°36'00"S; Sítio Novo stream; DF 130 road, Agricultural high school (planktic, metaphytic and periphytic).

C. minor (Kütz.) Näg.

Senna & Ferreira (1986: 93) - Água Limpa Farm (metaphytic).

Senna (1992a: 266) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 88) - BR 020/030 road, km 58, Boa Vista Farm; 47°32'3"W, 15°36'00"S; DF 130 road, Agricultural high school; DF 270 road, Arino Costa Farm (periphytic and metaphytic).

C. minutus (Kütz.) Näg.

Senna & Ferreira (1986: 93) - Água Limpa Farm (metaphytic).

Campos (1986: 31) - Bonita lake (planktic and metaphytic).

Campos & Senna (1988: 13) -Bonita lake (planktic and metaphytic).

Senna (1988: 688) - Descoberto reservoir (planktic).

Ferreira (1988: 43) - Guará I oxidation pond (planktic).

Senna (1992a: 266) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 90) - BR 020/030 road, km 58, Boa Vista Farm; BR 020/030 road, km 52, Vale Verde Farm; 47°32'3"W, 15°36'00"S; DF 205, km 36; CPAC, 15°36'S, 47°44'W; Núcleo rural Rio Preto, 15°48'S, 47°26'W; DF270 road, Arino Costa Farm (planktic and metaphytic).

C. turgidus (Kütz.) Näg.

Senna & Ferreira (1986: 94) - Água Limpa Farm (metaphytic).
Campos (1986: 34) - Bonita lake (planktic and metaphytic).
Campos & Senna (1988: 14) - Bonita lake (planktic and metaphytic).
Senna (1992a: 266) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1994: 90) - 47°32'3"W, 15°36'00"S; Pindaibal Farm, 47°27'45"W, 15°59'36"S (planktic and metaphytic).

C. turicensis (Näg.) Hansg.

Senna & Ferreira (1986: 94) - Água Limpa Farm (metaphytic).
Ferreira (1988: 43) - Guará I oxidation pond (planktic).
Senna (1994: 90) - DF 130 road, Agricultural high school (metaphytic).

Coelosphaerium Näg.

C. goetzei Schmidle

Campos (1986: 37) - Bonita lake (metaphytic).
Campos & Senna (1988: 14) - Bonita lake (metaphytic).

C. kuetzingianum Näg.

Senna (1992a: 267) - Joaquim Medeiros pond (planktic and metaphytic).

Gloeocapsa Kütz.

G. dermochroa Näg.

Campos (1986: 38) - Bonita lake (metaphytic).
Campos & Senna (1988: 15) - Bonita lake (metaphytic).

G. kuetzingiana Näg.

Campos (1986: 39) - Bonita lake (metaphytic).
Campos & Senna (1988: 15) - Bonita lake (metaphytic).

G. montana Kütz.

Campos (1986: 40) - Bonita lake (metaphytic).
Campos & Senna (1988: 15) - Bonita lake (metaphytic).

Gloeothece Näg.

G. palea (Kütz.) Näg.

Senna (1992a: 267) - Joaquim Medeiros pond (planktic).

Gomphosphaeria Kütz.

G. aponina Kütz.

Oliveira & Krau (1970: 97) - Paranoá Reservoir, Saco do Bananal (planktic).

G. lacustris Chod. [= ***Snowella lacustris*** (Chod.) Kom. & Hindák]

Campos (1986: 41) - Bonita lake (metaphytic).

Campos & Senna (1988: 16) - Bonita lake (metaphytic).

Merismopedia Meyen

M. glauca (Ehr.) Kütz.

Senna & Ferreira (1986: 94) - Água Limpa Farm (metaphytic).

Campos (1986: 44) - Bonita lake (metaphytic).

Campos & Senna (1988: 16) - Bonita lake (metaphytic).

Senna (1992a: 267) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 90) - BR 020/030 road, km 58, Boa Vista Farm; 47°32'3"W, 15°36'00"S; Bom Sucesso pond, 47°37'30"W, 15°30'OO"S; DF 130 road, Agricultural high school (planktic and metaphytic).

M. punctata Meyen

Senna & Ferreira (1986: 95) - Água Limpa Farm (metaphytic).

Campos (1986: 47) - Bonita lake (planktic and metaphytic).

Campos & Senna (1988: 17) - Bonita lake (planktic and metaphytic).

Ferreira (1988: 43) - Guará I oxidation pond (planktic).

Senna (1992a: 268) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 91) - BR 020/030 road, km 58, Boa Vista Farm (metaphytic).

M. tenuissima Lemm.

Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1994: 92): Paranoá Reservoir (planktic)

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).

Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Campos (1986: 49) - Bonita lake (planktic and metaphytic).

Campos & Senna (1988: 17) - Bonita lake (planktic and metaphytic).

Ferreira (1988: 44) - Guará I oxidation pond (planktic).

Giani (1984: 144) - Paranoá Reservoir (planktic).

Giani & Pinto-Coelho (1986: 59) - Paranoá Reservoir (planktic).

Senna (1992a: 268) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1994: 91) - DF 130 road, Agricultural high school; Mestre d'Armas stream, DF 130 road, km 22 (planktic and metaphytic).

Microcystis Kütz.

M. aeruginosa Kütz.

Björk (1975: 7) - Paranoá Reservoir (planktic).

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1994: 86) - Paranoá Reservoir (planktic).
Branco & Senna (1996a:178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic).
Ferreira (1988: 44) - Guará I oxidation pond (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 61) - Paranoá Reservoir (planktic).
Mattos et al. (1992: 276) - Paranoá Reservoir (planktic).
Moura et al. (1979: 15) - Paranoá Reservoir (planktic).
Oliveira & Krau (1970: 97) - Paranoá Reservoir, Saco do Bananal (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Somlyódy et al. (1989: 399) - Paranoá Reservoir (planktic).

M. elachista (West & West) Starm. f. *elachista* [= ***Aphanocapsa elachista*** W. & G.S West]

Campos (1986: 51) - Bonita lake (planktic and metaphytic).
Campos & Senna (1988: 17) - Bonita lake (planktic and metaphytic).
Senna (1994: 91) - Mestre d'Armas stream, DF 130 road, km 22; Extrema stream, between DF 320 road and DF310 road (metaphytic)

— f. *planctonica* (G.M. Smith) Starm. [= ***A. elachista*** var. ***planctonica*** G.M. Smith]

Senna (1992a: 269) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1994: 91) - 47°32'3"W, 15°36'00"S; DF 130 road, Agricultural high school; Buriti dos Melos Farm, 47°20'00"W, 15°40'00"S; Itapeti Farm, DF 100 road (planktic and metaphytic).

— var. *planctonica* G.M.Smith [= ***A. elachista*** var. ***planctonica*** G.M. Smith]

Senna (1988: 688) - Descoberto reservoir (planktic).

M. flos-aquae (Wittr.) Kirchn. [probably a wrong identification because the lake from which it was reported is oligotrophic; moreover, this species is planktic whereas the Brazilian material was metaphytic]

Campos (1986: 53) - Bonita lake (metaphytic)
Campos & Senna (1988: 18) - Bonita lake (metaphytic)

M. grevillei (Hass.) Elenk. [= ***Aphanocapsa grevillei*** (Hassal) Rabenh.]

Senna (1992a: 269) - Joaquim Medeiros and Carás ponds (planktic)

M. incerta (Lemm.) Lemm. [= ***Aphanocapsa incerta*** (Lemm.) Cronb. & Kom.]

Ferreira (1988: 44) - Guará I oxidation pond (planktic)

Senna (1994: 92) - Vale Verde Farm, BR 020/030 road, km 52 (metaphytic)

M. novacekii (Kom.) Compère

Senna & Ferreira (1986: 95) - Água Limpa Farm (metaphytic)

M. pulverea (Wood) Forti

Senna (1992a: 269) - Carás pond (planktic)

Rhabdogloea Schröd.

R. smithii (R. & F. Chod.) Kom.

Senna (1992a: 269) - Joaquim Medeiros and Carás ponds (planktic)

Senna (1994: 92) - BR 020/030 road, km 58, Boa Vista Farm; 47°32'3"W, 15°36'00"S (planktic and metaphytic)

Synechococcus Näg.

S. elongatus (Näg.) Näg.

Senna & Ferreira (1986: 95) - Água Limpa Farm (metaphytic)

Ferreira (1988: 48) - Guará I oxidation pond (planktic)

S. linearis (Näg.) Kom.

Campos (1986: 55) - Bonita lake (planktic and metaphytic).

Campos & Senna (1988: 18) - Bonita lake (planktic and metaphytic).

Synechocystis Sauvageau

S. aquatilis Sauvageau

Ferreira (1988: 48) - Guará I oxidation pond (planktic)

S. minuscula Woron.

Campos (1986: 57) - Bonita lake (planktic and metaphytic).

Campos & Senna (1988: 18) - Bonita lake (planktic and metaphytic).

S. sallensis Skuja

Senna (1992a: 270) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Cyanophyceae, Stigonematales

Hapalosiphon Näg. ex Born. & Flah.

H. arboreus West & West

Campos (1986: 59) - Bonita lake (planktic and metaphytic).
Campos & Senna (1988: 19) - Bonita lake (planktic and metaphytic).
Senna (1994: 93) - Itapeti Farm, DF 100 road (planktic and metaphytic).
Senna & Ferreira (1987: 12) - Água Limpa Farm (metaphytic).

H. intricatus West & West

Senna & Ferreira (1987: 12) - Água Limpa Farm (metaphytic).

H. stuhlmannii Hieron.

Senna & Ferreira (1987: 13) - Água Limpa Farm (metaphytic).
Senna (1992a: 271) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1994: 93) - BR 020/030 road, km 58, Boa Vista Farm; 47°32'3"W, 15°36'00"S, Sítio Novo stream; DF 130 road, Agricultural high school; Chácara HD, Barro Preto stream, DF 105; Itapeti Farm, DF 100 road (metaphytic).

H. welwitschii West & West

Senna & Ferreira (1987: 13) - Água Limpa Farm (metaphytic).

Stigonema Ag. ex Born. & Flah.

S. ocellatum (Dillw.) Thur. *ex* Born. & Fl.

Campos (1986: 59) - Bonita lake (planktic and metaphytic).
Campos & Senna (1988: 19) - Bonita lake (planktic and metaphytic).
Senna (1994: 94) - Pontinha stream, DF 095 (subaerophytic)
Senna & Ferreira (1987: 13) - Água Limpa Farm (metaphytic).

Cyanophyceae, Nostocales

Anabaena Bory ex Born. & Flah.

A. fuellebornii Schmidle

Campos (1986: 68) - Bonita lake (planktic and metaphytic).
Campos & Senna (1988: 21) - Bonita lake (planktic and metaphytic).

A. sphaerica Born. & Fl. var. *ellipsoidea* Compère

Senna & Ferreira (1987: 9) - Água Limpa Farm (metaphytic).

Anabaenopsis Wolosz.

A. raciborskii Wolosz. [=***Cylindrospermopsis raciborskii***]

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic).
Lindmark (1977: 5) - Paranoá Reservoir (planktic).
Lindmark (1979: 3) - Paranoá Reservoir (planktic).
Björk (1979: 8) - Paranoá Reservoir (planktic).

Aphanizomenon Morr. ex Born. & Flah.

A. flos-aquae Ralfs [the record from Federal District = ***Cylindrospermopsis raciborskii***]

Oliveira & Krau (1970: 97) - Paranoá Reservoir, Saco do Bananal (planktic).

Cylindrospermopsis Seenayya & Subba Raju

C. raciborskii (Wolosz.) Seenayya & Subba Raju

Giani & Pinto-Coelho (1986: 60) - Paranoá Reservoir (planktic).
Grando (1990: 46) - Paranoá Reservoir (planktic).
Branco & Senna (1991: 88) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Mattos et al. (1992: 271) - Paranoá Reservoir (planktic).
Starling (1993a: 144) - Paranoá Reservoir (planktic).
Starling (1993b: 145) - Paranoá Reservoir (planktic).
Branco & Senna (1994: 86): Paranoá Reservoir (planktic)
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic).
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).
Senna (1994: 92) - Mesquita Farm, Paranoá river (planktic).

Cylindrospermum Kütz. ex Born. & Flah.

C. stagnale (Kütz.) Born. & Fl.

Senna & Ferreira (1987: 9) - Água Limpa Farm (metaphytic).

Gloeotrichia J. Ag. ex Born. & Flah.

G. echinulata (Smith & Sow.) Richt.

Campos (1986: 66) - Bonita lake (metaphytic).
Campos & Senna (1988: 20) - Bonita lake (metaphytic).

Nodularia Mert. ex Born. & Flah.

N. brasiliensis Senna & Ferr.

Senna & Ferreira (1987: 8) - Água Limpa Farm (metaphytic).

Rhaphidiopsis Fritsch & Rich

R. brookii Hill [in all records from Federal District = ***Cylindrospermopsis raciborskii***]

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Freitas (1983: 50) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 61) - Paranoá Reservoir (planktic).
Toledo (1986: 20) - Paranoá Reservoir (planktic).

R. curvata Fristch & Rich

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Ferreira (1988: 47) - Guará I oxidation pond (planktic)

R. mediterranea Skuja [in all records from Federal District = ***Cylindrospermopsis raciborskii***]

Björk (1975: 7) - Paranoá Reservoir (planktic).
Lindmark (1976: 5) - Paranoá Reservoir (planktic).
Cronberg (1976: 15) - Paranoá Reservoir (planktic).

Scytonema Ag. ex Born. & Flah.

S. cf. ***amplum*** West & West

Senna (1994: 94) - 47°32'3"W, 15°36'00"S; Chácara HD, Barro Preto stream, DF 105; Pindaíbal Farm, 47°27'45"W, 15°59'36"S; Avelino Rose Farm, DF 100; Café Arábia Farm, DF 120 (subaerophytic and metaphytic).

S. bohneri Schmidle

Senna & Ferreira (1987: 10) - Água Limpa Farm (metaphytic).

S. caldarium Setch.

Senna & Ferreira (1987: 11) - Água Limpa Farm (metaphytic).
Senna (1994: 96) - BR 020/030 road, km 58, Boa Vista Farm; DF 130 road, Agricultural high school (metaphytic).

S. coactile Mont. ex Born. & Fl.

Campos (1986: 64) - Bonita lake (metaphytic).
Campos & Senna (1988: 20) - Bonita lake (metaphytic).
Senna (1994: 96) - Itapeti Farm, DF100 road (metaphytic).

S. guyanense (Mont.) Born. & Fl.
Senna (1994: 99) - BR 020/030 road, km 58, Nelson Avasan Farm (metaphytic).

S. stuposum Born. ex Born. & Fl.
Senna & Ferreira (1987: 11) - Água Limpa Farm (metaphytic).

S. subtile Moeb.
Senna & Ferreira (1987: 11) - Água Limpa Farm (metaphytic).

Cyanophyceae, Oscillatoriales

Dasygloea Thw. ex Gom.
D. brasiliensis (Senna & Ferr.) Senna & Kom.
Senna & Komárek (1998: 5) - (metaphytic)

Lyngbya Ag. ex Gom.
L. abronema (Skuja) Senna [= *Phormidium abronema* Skuja]
Senna (1996: 78) - Embiraçu stream, DF105 road (blue-green mats in wet gullies).

L. aerugineo-coerulea (Kütz.) Gom. [= *Phormidium aerugineo-coeruleum* (Gom.) Anagn. & Kom.]
Senna (1992b: 462) - Carás pond (planktic).

L. allorgei Frémy [= *Phormidium allorgei* (Frémy) Anagn. & Kom.]
Senna & Ferreira (1986: 95) - Água Limpa Farm (mixed with other algae on wet soil).
Senna (1996: 78) - Itapeti Farm, DF 100 road; Capela Farm (forming blue-green mats on wet soil and metaphytic).

L. aqualimpidensis Senna & Ferr. [= *Phormidium aqualimpidensis* (Senna & Ferr.) Azevedo]
Senna & Ferreira (1986: 97) - Água Limpa Farm (mixed with other algae on wet soil).

L. brasiliensis Senna & Ferr. [= *Dasygloea brasiliensis* (Senna & Ferr.) Senna & Kom.]
Senna & Ferreira (1986: 98) - Água Limpa Farm (metaphytic on shallow ponds).
Senna (1996: 79) - Barro Preto stream, DF 105 road, HD Farm (metaphytic).

L. cebennensis (Gom.) Compère [= ***Phormidium cebennense*** Gom.]
Senna (1992b: 464) - Joaquim Medeiros and Carás ponds (planktic)
Senna (1996: 79) - Arino Costa Farm, DF 270 road (blue-green mass on flooded soil).

L. ceylanica Wille [= ***Porphyrosiphon ceylanicus*** (Wille) Anagn. & Kom.]
Senna (1996: 79) - Fagundes Farm, 47° 32'3" W, 15° 36' 00"S (blue-green mass growing on submerged bark).

L. comperei (Menegh.) Senna [= ***Leptolyngbya tenuis*** (Gom.) Anagn. & Kom.]
Senna (1992b: 464) - Joaquim Medeiros and Carás ponds (planktic and metaphytic)

L. diguetii Gom. [= ***Phormidium diguetii*** (Gom.) Anagn. & Kom.]
Senna (1992b: 464) - Carás pond (planktic).
Senna (1996: 80) - Capão Bonito stream (blue-green mass growing on wet clayey soil).

L. foveolarum (Gom.) Hansg. [= ***Leptolyngbya foveolarum*** (Gom.) Anagn. & Kom.]
Senna (1992b: 465) - Joaquim Medeiros and Carás ponds (planktic and metaphytic)
Senna (1996: 80) - Arino Costa Farm, DF 270 road (blue-green algae mass floating in a cistern).

L. fragilis (Gom.) Compère [= ***Leptolyngbya fragilis*** (Gom.) Anagn. & Kom.]
Senna (1992b: 465) - Joaquim Medeiros pond (metaphytic).

L. gomontiana Senna [= ***Leptolyngbya lurida*** (Gom.) Anagn. & Kom.]
Senna (1992b: 465) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

L. kuetzingiana Kirchn. ex Hansg. [= ***Phormidium kuetzingianum*** (Hansg.) Anagn. & Kom.]
Senna (1996: 80) - Itapeti farm, Buriti Vermelho stream, DF 100 road (blue-green mass growing on wet soil.

L. limnetica Lemm. [= ***Planktolyngbya limnetica*** (Lemm.) Komark.-Legner. & Cronb.]
Campos (1986: 70) - Bonita lake (planktic and metaphytic)
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 61) - Paranoá Reservoir (planktic).
Campos & Senna (1989: 84) - Bonita lake (planktic and metaphytic).
Senna (1992b: 466) - Joaquim Medeiros pond (planktic and metaphytic).

Senna (1996: 82) - BR 020/030 road, km 58, Boa Vista Farm; BR 020/030 road, km 52, Vale Verde Farm; Quilombo stream, DF 295 road; DF 120 road, Café Arábia Farm (planktic and metaphytic).

L. cf *margaretheana* G. Schmid [= ***Leptolyngbya*** cf. ***margaretheana*** (G. Schmid) Anagn. & Kom.]

Senna (1996: 82) - Sítio Novo reservoir, 47° 32' 30"S, 15° 36' 00"S (forming a blue-green mass on submerged bark).

L. martensiana Menegh. ex Gom. [= ***Porphyrosiphon martensianus*** (Gom.) Anagn. & Kom.]

Senna (1992b: 466) - Joaquim Medeiros and Carás ponds (planktic and metaphytic)

Senna (1996: 82) - Farroupilhas Farm, DF 110 road, km 10, small reservoir; Fagundes Farm, 47° 32'3" W, 15° 36' 00"S; Chácara HD, Barro Preto stream, DF 105 road; Miunça Farm, DF 295 road (planktic and metaphytic, or forming a growing mass on a variety of substrata include cement and wet soil in a pigsty).

L. muscorum (Gom.) Compère [= ***Symploca muscorum*** Gom.]

Senna (1996: 83) - Vereda Grande stream, DF 205 road; Jardim river, DF 260 road; Pindaíbal Farm, 47°27'45"W,15°59'36"S (forming a growing mass on a substratum or mixed with submerged macrophytes).

L. cf. ***nigra*** Ag. ex Gom.

Senna (1996: 83) - Farroupilhas Farm, DF 110 road, km 10 (blue-green mass growing on wet soil in a pigsty).

L. orientalis (G.S. West) Compère [= ***Leptolyngbya orientalis*** (G.S. West) Anagn. & Kom.]

Senna & Ferreira (1986: 98) - Água Limpa Farm (metaphytic).

Senna (1992b: 467) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Senna (1996: 84) - DF 130 road, Agricultural high school; DF 100 road, Jibóia stream; Chácara HD, Barro Preto stream, DF 105 road; Embiraçu stream, DF 105 road (mixed with submerged macrophytes, either forming a growing mass on wet soil or, rarely, planktonic).

L. papyracea (Gom.) Senna. [= ***Phormidium papyraceum*** (Ag.) ex Gom.]

Senna (1996: 84) - Miunça Farm, DF 295 road (growing in a mass on a cement gulley).

L. perelegans Lemm. [= ***Leptolyngbya perelegans*** (Lemm.) Anagn. & Kom.]

Campos (1986: 72) - Bonita lake (planktic and metaphytic).

Senna & Ferreira (1986: 98) - Água Limpa Farm (metaphytic).

Campos & Senna (1989: 85) - Bonita lake (planktic and metaphytic).

Senna (1992b: 467) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1996:85) - BR 020/030 road, km 58, Boa Vista Farm; BR 020/030 road, km 52, Vale Verde Farm; Fagundes Farm, 47° 32'3" W, 15° 36' 00"S; Núcleo Rural de Pipiripau, farm 63, DF 205, km 36; Itapeti farm, Buriti Vermelho stream, DF 100 road; Pontinha stream, DF 095 road; (planktic, metaphytic or forming a growing mass on wet soil or submerged bark).

L. pseudoafricana Iltis [= ***Leptolyngbya africana*** (Lemm.) Anagn. & Kom.]
Campos (1986: 74) - Bonita lake (metaphytic).
Campos & Senna (1989: 85) - Bonita lake (metaphytic).

L. putealis Mont. ex Gom. [= ***Phormidium puteale*** (Gom.) Anagn. & Kom.]
Senna & Ferreira (1986: 99) - Água Limpa Farm (metaphytic).

L. retzii (Ag. ex Gom.) Hansg. [= ***Phormidium retzii*** Ag. ex Gom.]
Senna (1996: 85) - Farroupilhas Farm, DF 110 road, km 10; Meio stream, under highway bridge; DF 130 road, under bridge over Pipiripau stream; Buriti dos Melos Farm, reservoir; DF 100 road, under bridge over Jibóia stream; DF 100 road, under bridge over São Bernardo stream; Miunça Farm, DF 295 road; Capela Farm (forming mats, mixed with submerged macrophytes and growing on wet soil).

L. submonilifera Frémy [=***Leptolyngbya submonilifera*** (Frémy) Senna & Compère]
Senna (1992b: 467) - Joaquim Medeiros pond (planktic and metaphytic).

L. subtilis W. West [= ***Planktolyngbya subtilis*** (W. West) Anagn. & Kom.]
Senna (1992b: 467) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1996) - Capão Bonito stream, under bridge (planktic).

L. valderiana (Gom.) Compère [= ***Leptolyngbya valderiana*** (Gom.) Anagn. & Kom.]
Senna (1992b: 468) - Carás pond (planktic).
Senna (1996) - Sarandi Reservoir in the CPAC; DF 100 road, under bridge over Jibóia stream (occurred either in mats on wet soils or on the bottom of rivers).

Microcoleus Desmaz. ex Gom.
M. lacustris (Rabh.) Farl. ex Gom.
Senna (1996: 86) - Capela Farm (forming blue-green mats on wet soil).

M. paludosus (Kütz.) Gom.
Senna (1996:87) - Capela Farm (occurred together with *M. lacustris*).

Oscillatoria Vauch.

O. acuminata Gom. [= ***Phormidium acuminatum*** (Gom.) Anagn. & Kom.]
Senna & Ferreira (1986: 99) - Água Limpa Farm (metaphytic).

O. acuta Brühl & Biswas [= ***Phormidium acutum*** (Brühl & Biswas) Anagn. & Kom.]
Senna (1992b: 469) - Carás pond (planktic).

O. acutissima Kuffer. [= ***Geitlerinema acutissimum*** (Kuffer.) Anagn., cf. ANAGNOSTIDIS 1989]
Senna (1996: 88) - Arino Costa Farm, DF 270 (floating algae mass in a cistern).

O. agardhii Gom. [= ***Planktothrix agardhii*** (Gom.) Anagn. & Kom.]
Cronberg (1970: 50) - Paranoá Reservoir (planktic).
Senna (1996: 88) - Mesquita Farm, Paranoá river (planktic).

O. amoena (Kütz.) Gom. [= ***Phormidium amoenum*** (Gom.) Anagn. & Kom.]
Senna (1996: 88) - Vale Verde Farm, BR 020/030, km 52 (blue-green mass growing on a cement wall and metaphytic).

O. amphibia Ag. ex Gom. [= ***Geitlerinema amphibium*** (Gom.) Anagn.]
Campos (1986: 76) - Bonita lake (planktic and metaphytic).
Senna & Ferreira (1986: 99) - Água Limpa Farm (metaphytic).
Campos & Senna (1989: 85) - Bonita lake (planktic and metaphytic).
Senna (1992b: 469) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1996: 89) - Boa Vista Farm, km 58; Vale Verde Farm, BR 020/030, km 52; Farroupilhas Farm, DF 110, km 10; Chácara Fagundes; Bom Sucesso pond; Embiraçu Reservoir, DF 105 (mixed with submerged macrophytes, planktonic in rivers and ponds or forming a mass).

O. amphigranulata Van Goor [= ***Limnothrix amphigranulata*** (Van Goor) Meffert]
Campos (1986: 78) - Bonita lake (planktic and metaphytic).
Campos & Senna (1989: 87) - Bonita lake (planktic and metaphytic).

O. cf. ***anguina*** Bory ex Gom.
Senna (1996: 89) - Miunça Farm, DF 295 road (occuring in a cement gutter).

O. annae Van Goor
Senna (1988: 688) - Descoberto Reservoir (planktic).

Ferreira (1988: 44) - Guará I oxidation pond (planktic).
Senna (1992b: 469) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Senna (1996: 90) - Vale Verde Farm, BR 020/030, km 52; Núcleo Rural de Pipiripau, DF 205, km 36; DF 130 road, Agricultural high school; Mesquita Farm, Paranoá river (occurring mainly in planktonic form in rivers and reservoirs and seldom forming a mass).

O. boryana Bory ex Gom. [= ***Phormidium boryanum*** (Gom.) Anagn. & Kom.]
Senna (1988: 688) - Descoberto Reservoir (planktic).

O. brevis Kütz. ex Gom. [= ***Phormidium breve*** (Gom.) Anagn. & Kom.]
Senna (1996: 90) - Vale Verde Farm, BR 020/030, km 52; Chácara Fagundes; Bom Sucesso pond; DF 130 road, Agricultural high school; Arino Costa Farm, DF 270 (was collected in the plankton and rarely found growing on a substratum).

O. chalybea Mert. ex Gom. var. *chalybea* [= ***Phormidium chalybeum*** (Gom.) Anagn. & Kom.]
Senna & Ferreira (1986: 100) - Água Limpa Farm (metaphytic).
Senna (1988: 689) - Descoberto Reservoir (planktic).
Senna (1996: 90) - Santa Rita river, BR 020/030 road, under bridge; Itapeti Farm, DF 110 road (mixed with submerged macrophytes and in planktonic form).
— var. *insularis* Gardn. [= ***Phormidium insulare*** (Gardn.) Senna & Compère]
Senna (1996: 91) - Núcleo Rural Rio Preto, Saltador and Ribeira stream (planktic).

O. cortiana Menegh. ex Gom. [= ***Phormidium cortianum*** (Gom.) Anagn. & Kom.]
Senna (1992b: 469) - Joaquim Medeiros pond (planktic and metaphytic).
Senna (1996: 91) - Pindaibal Farm, 15°59`36" S, 47°27`45" W (on wet soil).

O. foreaui Frémy [The specimen described and illustrated from Federal District is different from the original *O. foreaui*; it probably belongs to *Phormidium* subg. *Gomontinema* and should be revised.]
Campos (1986: 80) - Bonita lake (metaphytic).
Campos & Senna (1989: 87) - Bonita lake (metaphytic).

O. formosa Bory ex Gom. [= ***Phormidium formosum*** (Gom.) Anagn. & Kom.]
Senna (1996: 91) - Vale Verde Farm, BR 020/030, km 52 (growing on wet soil).

O. geminata Menegh. ex Gom. [= ***Jaaginema geminatum*** (Gom.) Anagn. & Kom.]

Campos (1986: 82) - Bonita lake (planktic and metaphytic).

Campos & Senna (1989: 87) - Bonita lake (planktic and metaphytic).

Senna (1996: 92) - Santa Rita river, BR 020/030 road, under bridge; Nelson Avasan Farm, BR 020/030 road, km 53; Vale Verde Farm, BR 020/030, km 52; Chácara Fagundes; Bom Sucesso pond; DF 130 road, Agricultural high school (mixed with submerged macrophytes, as planktonic in reservoirs and ponds, or forming a mass).

O. gigantea (Schmidle) Compère [= ***Arthrospira gigantea*** Schmidle]

Campos (1986: 84) - Bonita lake (metaphytic).

Campos & Senna (1989: 87) - Bonita lake (metaphytic).

O. granulata Gardn. [= ***Tychonema granulatum*** (Gardn.) Anagn. & Kom.]

Senna & Ferreira (1986: 100) - Água Limpa Farm (metaphytic).

Senna (1988: 689) - Descoberto Reservoir (planktic).

Senna (1996: 92) - Santa Rita river, BR 020/030 road, under bridge; Santa Rita Fram, BR 020/030, km 60; Nelson Avasan Farm, BR 020/030 road, km 53; Núcleo Rural Rio Preto, Córrego Gavião Reservoir; Bom Sucesso pond; Bom Sucesso pond; DF 100 road, under bridge over São Bernardo stream; Miunça Farm, DF 295 road (mixed with submerged macrophytes, on wet soil, on the bottom of ponds and rivers, or in planktonic form).

O. irrigua Kütz. ex Gom. [= ***Phormidium irriguum*** (Gom.) Anagn. & Kom.]

Campos (1986: 86) - Bonita lake (planktic and metaphytic).

Campos & Senna (1989: 87) - Bonita lake (planktic and metaphytic).

O. jenneri (Gom.) Compère [= ***Arthrospira jenneri*** Stizenb. ex Gom.]

Senna (1996: 92) - Buriti Vermelho stream, Itapeti Farm, DF 100 road (floating).

O. lacustris (Kleb.) Geitler [= ***Trichodesmium lacustre*** Kleb.]

Campos (1986: 88) - Bonita lake (planktic and metaphytic).

Senna (1988: 690) - Descoberto Reservoir (planktic).

Campos & Senna (1989: 88) - Bonita lake (planktic and metaphytic).

Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

O. limnetica Lemm. [= ***Pseudanabaena limnetica*** (Lemm.) Kom.]

Ferreira (1988: 45) - Guará I oxidation pond (planktic); fig. 38 clearly belongs to this planktic species but we doubt that fig. 39, showing a trichome provided with a thin sheath, could belong to the same species.

Senna (1996: 94) - Itapeti Farm, DF 100 road, pond 2 (mixed with submerged macrophytes); has all the characteristics of *P. limnetica*, but found in a metaphytic habitat.

O. minnesotensis Tild. [= ***Phormidium minnesotense*** (Tilden) Drouet]
Ferreira (1988: 45) - Guará I oxidation pond (planktic).

O. mougeotii Kütz. ex De Toni [= ***Planktothrix mougeotii*** (De Toni) Anagn. & Kom.]
Ferreira (1988: 46) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Starling (1993b: 145) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

O. oscillarioides Iltis [= ***Spirulina major*** Gom.]
Ferreira (1988: 46) - Guará I oxidation pond (planktic).

O. princeps Vauch. ex Gom.
Campos (1986: 90) - Bonita lake (metaphytic).
Senna (1988: 690) - Descoberto Reservoir (planktic).
Campos & Senna (1989: 88) - Bonita lake (metaphytic).
Senna (1996: 94) - Vale Verde Farm, BR 020/030, km 52; Núcleo Rural de Pipiripau, DF 205, km 36; Mestre d'Armas stream, DF 130, km 22, under bridge; Arino Costa Farm, DF 270 (growing on wet soil, mixed with submerged macrophytes and in planktonic form).

O. proteus Skuja [= ***Phormidium proteus*** (Skuja) Senna & Compère]
Campos (1986: 93) - Bonita lake (metaphytic).
Campos & Senna (1989: 89) - Bonita lake (metaphytic).
Senna (1996: 94) - Itapeti Farm, DF 100 road, pond 1 (mixed with submerged macrophytes).

O. pseudogeminata G. Schmid [= ***Jaaginema pseudogeminatum*** (G. Schmid) Anagn. & Kom.]
Campos (1986: 95) - Bonita lake (planktic and metaphytic).
Senna & Ferreira (1986: 100) - Água Limpa Farm (metaphytic).
Senna (1988: 691) - Descoberto Reservoir (planktic).
Ferreira (1988: 47) - Guará I oxidation pond (planktic).
Campos & Senna (1989: 89) - Bonita lake (planktic and metaphytic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Senna (1996: 94) - Boa Vista Farm, BR 020/030,km 58; Meio stream, under highway bridge; Núcleo Rural Rio Preto, Saltador and Ribeira stream; Mestre d'Armas stream, DF 130, km 22, under bridge (found on wet soil, stones, mixed with submerged macrophytes or in planktonic form).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

O. quadripunctulata Brühl & Biswas [= ***Jaaginema quadripunctulatum*** (Brühl & Biswas) Anagn. & Kom.]

Senna (1988: 691) - Descoberto Reservoir (planktic).

Branco (1991: 329) - Paranoá Reservoir (planktic).

Starling (1993b: 145) - Paranoá Reservoir (planktic).

Senna (1996: 95) - Nelson Avasan Farm, BR 020/030 road, km 53; Vale Verde Farm, BR 020/030, km 52; Monjolo stream, 47°27'30" W, 15°32'00" S, under highway bridge; Buriti Vermelho stream, Itapeti farm, DF 100 road; Arino Costa Farm, DF 270; Miunça Farm, DF 295 road; Mesquita Farm, Paranoá river (planktonic in lakes and rivers, mixes with submerged macrophytes, forming a floating mass on rivers, and was found on the bottom of a cistern and in a cementgutter).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)

Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

O. raoi De Toni [= ***Phormidium raoi*** (J. De Toni) Senna & Compère]

Campos (1986: 97) - Bonita lake (planktic and metaphytic).

Campos & Senna (1989: 89) - Bonita lake (planktic and metaphytic).

O. sancta Kütz. ex Gom.

Campos (1986: 99) - Bonita lake (planktic and metaphytic).

Campos & Senna (1989: 91) - Bonita lake (planktic and metaphytic).

Senna (1996: 95) - Vale Verde Farm, BR 020/030, km 52 (mixed with submerged macrophytes).

O. simplicissima Gom. [= ***Phormidium simplicissimum*** (Gom.) Anagn. & Kom.]

Campos (1986: 101) - Bonita lake (planktic and metaphytic).

Campos & Senna (1989: 91) - Bonita lake (planktic and metaphytic).

Branco (1991: 329) - Paranoá Reservoir (planktic).

Senna (1996: 95) - Vale Verde Farm, BR 020/030, km 52; Farroupilhas Farm, DF 110 road, under bridge (forming a mass on cement walls and on wet soil in a pigsty).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)

Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

O. splendida Grev. ex Gom. [= ***Geitlerinema splendidum*** (Gom.) Anagn.]

Campos (1986: 103) - Bonita lake (metaphytic).

Senna & Ferreira (1986: 101) - Água Limpa Farm (metaphytic).

Senna (1988: 692) - Descoberto Reservoir (planktic).

Ferreira (1988: 47) - Guará I oxidation pond (planktic).

Campos & Senna (1989: 91) - Bonita lake (metaphytic).

Senna (1996: 96) - Santa Rita river, BR 020/030 road, under bridge; Nelson Avasan Farm, BR 020/030 road, km 53; Meio stream, under highway bridge; DF 130 road, under bridge over Pipiripau stream; Miunça Farm, DF 295 road; (collected on wet soils and cement walls forming a mass or fascicles (more rarely), and in planktonic form).

O. subbrevis Schmidle

Senna (1988: 692) - Descoberto Reservoir (planktic).

Senna (1996: 96) - Santa Rita Farm, BR 020/030 road, km 60; Chácara Fagundes; Mestre d'Armas stream, DF 130, km 22, under bridge; Barro Preto stream, DF 105; Cariru stream, DF 270, under bridge over stream; Itapeti farm, DF 100 road (mainly as planktonic but also forming a mass on wet soil or mixed with submerged macrophytes).

O. subtilissima Kütz. ex Gom. [= ***Jaaginema subtilissima*** (Gom.) Anagn. & Kom.]

Senna (1988: 692) - Descoberto Reservoir (planktic).

Starling (1993b: 145) - Paranoá Reservoir (planktic).

Senna (1996: 96) - Nelson Avasan Farm, BR 020/030 road, km 53; Jibóia stream, DF 100, under bridge (occurred in planktonic form and in a floating mass on rivers).

O. tenuis Ag. *ex* Gom. var. tenuis [= ***Phormidium natans*** (Kütz. ex Gom.) Senna & Compère]

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Campos (1986: 105) - Bonita lake (planktic and metaphytic).

Senna (1988: 692) - Descoberto Reservoir (planktic).

Campos & Senna (1989: 92) - Bonita lake (planktic and metaphytic).

Senna (1996: 97) - Santa Rita river, BR 020/030 road, under bridge; Nelson Avasan Farm, BR 020/030 road, km 53; Vale Verde Farm, BR 020/030, km 52; Sarandi Reservoir in the CPAC; DF 130 road, Agricultural high school, resrvoir 3; Extrema stream; Buriti Vermelho stream, Itapeti farm, DF 100 road; Itapeti farm, DF 100 road (in planktonic form in reservoirs and rivers, mixed with submerged macrophytes and forming a floating mass on rivers, or on wet soils).

— var. *asiatica* Wille [The material from Federal District described under this name has trichomes constricted at the septa and cannot actually belong to this taxon]

Campos (1986: 108) - Bonita lake (metaphytic).

Campos & Senna (1989: 92) - Bonita lake (metaphytic).

O. willei Gardner [= ***Phormidium willei*** (Gardn.) Anagn. & Kom.]

Senna (1996) - Nelson Avasan Farm, BR 020/030 road, km 53; Jibóia stream, DF 100, under bridge (forming a floating mass, and as planktonic in rivers).

Phormidium Kütz. ex Gom.

P. mucicola Naum. & Hub.-Pest. [= ***Pseudanabaena mucicola*** (Naumann & Hub.-Pest.) Schwabe]

Cronberg (1976: 15) - Paranoá Reservoir (planktic).

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Porphyrosiphon Kütz. ex Gom.

P. fuscus Gom. ex Frémy

Senna & Ferreira (1986: 101) - Água Limpa Farm (metaphytic).

P. notarisii Kütz. ex Gom.

Campos (1986: 109) - Bonita lake (metaphytic).
Senna & Ferreira (1986: 101) - Água Limpa Farm (metaphytic).
Campos & Senna (1989: 93) - Bonita lake (metaphytic).

Pseudanabaena Lauterb.

P. articulata Skuja

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

P. catenata Lauterb.

Senna (1988: 693) - Descoberto Reservoir (planktic).

Schizothrix Kütz. ex Gom.

S. arenaria (Berk.) Gom.

Senna (1996: 98) - DF 100 road, under bridge over Jibóia stream (forming a mass on wet soil).

S. friesii Ag. ex Gom.

Senna & Ferreira (1986: 103) - Água Limpa Farm (metaphytic).
Senna (1996: 98) - Santa Rita Farm, BR 020/030 road, km 60 (forming a mass on cement and clayey soil).

S. fuscescens Kütz. ex Gom.

Senna & Ferreira (1986: 103) - Água Limpa Farm (metaphytic).
Senna (1996: 99) - Barro Preto stream, DF 105 road; Avelino Rosa Farm, DF 100 road (collected mixed with submerged macrophytes and growing on wet soil).

S. lutea Frémy

Senna & Ferreira (1986: 103) - Água Limpa Farm (metaphytic).
Senna (1996: 100) - DF 295, under bridge over Pontinha stream (forming a mass on wet soil).

S. mascarenica Gomont

Senna (1996: 100) - Embiraçu stream, DF 105 road (growing on wet soil).

S. symplocoides (Gardn.) Geitler
Senna & Ferreira (1986: 105) - Água Limpa Farm (metaphytic).
Senna (1996: 100) - Embiraçu stream, DF 105 road (growing on wet soil).

Chlorophyta

Chlorophyceae, Volvocales

Chlamydomonas Agassiz
C. bicocca Pasch.
Ferreira (1988: 32) - Guará I oxidation pond (planktic).

Chlorogonium Ehr.
C. elongatum Dang.
Ferreira (1988: 32) - Guará I oxidation pond (planktic).

Chloromonas Gobi
C. acidophila Gerl. & Ettl
Ferreira (1988: 33) - Guará I oxidation pond (planktic).

Uva Playf. [= *Pyrobotrys* Arnoldi, cf. ETTL 1983]
U. korschikowii (Schkorb.) Fott [= *Pyrobotrys korschikowii* (Schkorb.) Korsh.]
Ferreira (1988: 37) - Guará I oxidation pond (planktic).

Chlorophyceae, Tetrasporales

Gloeocystis Näg. [= *Chlamydocapsa* Fott, cf. ETTL & GÄRTNER 1988]
G. gigas (Kütz.) Lagerh. [= *Chlamydocapsa ampla* (Kütz.) Fott]
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 58) - Paranoá Reservoir (planktic).

Chlorophyceae, Chlorococcales

Actinastrum Lagerh.

A. hantzschii Lagerh. var. *hantzschii*

Ferreira (1988: 31) - Guará I oxidation pond (planktic).

— var. *subtile* Wolosz.

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Ankistrodesmus Corda

A. bibraianus (Reinsch) Kors.

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

A. fusiformis Corda sensu Kors.

Cronberg (1977: 52) - Descoberto Reservoir (planktic).

A. gracile (Reinsch) Kors. [orthographic error for *A. gracilis*]

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

A. namoselense Skuja [orthographic error for *A nannoselene*]

Cronberg (1977: 52) - Descoberto Reservoir (planktic).

Botryococcus Kütz.

B. braunii Kütz.

Björk (1975: 8) - Paranoá Reservoir (planktic).
Cronberg (1976: 14) - Descoberto Reservoir (planktic).
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1976: 17) - Bonita lake (planktic and metaphytic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 46) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Botryosphaera Chod. [= ***Botryosphaerella*** Silva]

Botryosphaera sudetica (Lemm.) Chod. [= ***Botryosphaerella sudetica*** (Lemm.) Silva]
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Chlorella Beij.
C. vulgaris Beij.
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Ferreira (1988: 32) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1994: 92): Paranoá Reservoir (planktic)
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Closteriopsis Lemm.
Closteriopsis acicularis (G.M. Smith) Belch. & Swale
Ferreira (1988: 33) - Guará I oxidation pond (planktic).

Coelastrum Näg.
C. cambricum Arch.
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 58) - Jaburu pond (planktic).

C. microporum Näg.
Björk (1975: 8) - Paranoá Reservoir (planktic).
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Ferreira (1988: 34) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

C. pseudomicroporum Korsh.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

C. proboscideum Bohl.

Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Torto Reservoir (planktic).

C. reticulatum (Dang.) Senn

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

C. sphaericum Näg.

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Crucigeniella Gaillon

C. rectangularis (Näg.) Kom.

Cronberg (1977: 54) - Torto Reservoir (planktic).

Dictyosphaerium Näg.

D. ehrenbergianum Näg.

Ferreira (1988: 34) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

D. pulchellum Wood

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 48) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir(planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Dimorphococcus A. Br.

D. lunatum A. Br. [orthographic error for ***D. lunatus***]

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

D. lunatus A. Br.

Giani & Pinto-Coelho (1986: 48) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Golenkinia Chod.

G. radiata Chod.

Ferreira (1988: 34) - Guará I oxidation pond (planktic).

Kirchneriella Schmidle

K. lunaris (Kirchn.) Moeb.

Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 58) - Jaburu pond (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

K. obesa (W. West) Schmidle

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Micractinium Fresenius

M. appendiculatum Kors.

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

M. bornhemiense (Conr.) Kors.

Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

M. pusillum Fresenius

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Cronberg (1977: 59) - RCG oxidation pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Ferreira (1988: 35) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Monoraphidium Kom.-Legn.

M. contortum (Thur.) Kom.-Legn..

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Cronberg (1977: 59) - Torto Reservoir (planktic).

M. griffithii (Berk.) Kom.-Legn..

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

M. setiforme (Nyg.) Kom.-Legn. [= ***M. komarkovae*** Nyg.]

Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Ferreira (1988: 35) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Nephrocytium Näg.

N. schilleri (Kamm.) Comas

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Oocystis Näg. ex Braun

O. borgei Snow

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

O. lacustris Chod.

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

O. pusilla Hansg.

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Pediastrum Meyen

P. duplex Meyen

Oliveira & Krau (1970: 101) - Paranoá Reservoir, Saco das Embaixadas (planktic).
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

P. simplex Meyen

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)

P. tetras (Ehr.) Ralfs

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 49) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Scenedesmus Meyen

S. abundans (Kirchn.) Chod.

Cronberg (1977: 58) - Zoological Garden ponds (planktic)

S. acuminatus (Lagerh.) Chod. f. *acuminatus*

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
Ferreira (1988: 35) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

— f. *maximus* Uherk.

Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

— var. *maximus* Uherk. [error for f. *maximus* Uherk.]

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

S. acutus Meyen f. *alternans* Hortob.

Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

S. bicaudatus (Hansg.) Chod.

Ferreira (1988: 36) - Guará I oxidation pond (planktic).

S. denticulatus Lagerh.

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

*S. **dimorphus*** (Turp.) Kütz.
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

*S. **dispar*** Bréb.
Cronberg (1977: 50) - Paranoá Reservoir (planktic).

*S. **longispina*** Chod.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

*S. **obliquus*** (Turp.) Kütz.
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

*S. **opoliensis*** Richt.
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Guará I oxidation pond (planktic).

*S. **protuberans*** Fritsch & Rich
Ferreira (1988: 36) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

*S. **quadricauda*** (Turp.) Bréb. var. ***quadricauda***
Oliveira & Krau (1970: 100) - Paranoá Reservoir, Saco das Embaixadas (planktic).
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Ferreira (1988: 36) - Guará I oxidation pond (planktic).
— var. *longispina* (Chod.) G.M. Smith [= ***S. longispina*** Chod.]
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
— var. *maximus* West & West [= ***S. magnus*** Meyen]
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).

Sphaerocystis Chod.

S. schroeteri Chod.

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 51) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Tetraedron Kütz.

T. gracile (Reinsch) Hansg. [probably a species of ***Pseudostaurastrum*** (Xanthophyceae), according to KOVÁČIC 1975]

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 46) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

T. minimum (A. Br.) Hansg.

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 46) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

T. planctonicum G.M. Smith [probably a species of ***Pseudostaurastrum*** (Xanthophyceae)]

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

Tetrallantos Teil.

T. lagerheimii Teil.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

Treubaria Bern.
T. schmidlei (Schröd.) Hansg.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

Westella De Wild.
W. botryoides (W. West) De Wild.
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73): Paranoá Reservoir (planktic)

Ulotrichophyceae, Ulotrichales

Cylindrocapsa Reinsch
Cylindrocapsa geminella Wolle
Dias (1990: 56) - Água Limpa Farm (metaphytic).

Microspora Thur.
Microspora pachyderma (Wille) Lagerh.
Dias (1990: 56) - Água Limpa Farm (metaphytic).

Uronema Lagerh.
U. intermedium Bourr.
Ferreira (1988: 32) - Guará I oxidation pond (planktic).

Ulotrichophyceae, Chaetophorales

Aphanochaete Braun
A. repens A. Br.
Dias (1990: 56) - Água Limpa Farm (metaphytic).

Ulotrichophyceae, Oedogoniales

Bulbochaete Ag. ex Hirn
B. elatior Pringsh. var. *scrobiculata* Tiff.
Dias (1990: 53) - Água Limpa Farm (metaphytic).

Oedogonium Link ex Hirn
O. borisianum (Le Cl.) Wittr. ex Hirn var. *tropicum* Gauthier-Lièvre
Dias (1990: 54) - Água Limpa Farm (metaphytic).

O. hians Nordst. & Hirn var. *megasporum* Jao
Dias (1990: 54) - Água Limpa Farm (metaphytic).

O. itzigshonii De Bary ex Hirn var. *minus* W. West
Dias (1990: 54) - Água Limpa Farm (metaphytic).

O. obtruncatum Wittr. ex Hirn var. *completum* Hirn
Dias (1990: 54) - Água Limpa Farm (metaphytic).

O. spirale Hirn var. *latviense* Tiff.
Dias (1990: 55) - Água Limpa Farm (metaphytic).

Zygophyceae, Zygnematales

Mougeotia Ag.
M. macrospora (Wolle) De Toni
Dias (1990: 55) - Água Limpa Farm (metaphytic).

M. paludosa G.S. West
Dias (1990: 55) - Água Limpa Farm (metaphytic).

Zygnema Ag.
Z. oveidanum Transeau
Dias (1990: 55) - Água Limpa Farm (metaphytic).

Zygogonium Kütz.

Z. ericetorum Kütz.

Dias (1990: 55) - Água Limpa Farm (metaphytic).

Z. mirabile (West & West) Transeau

Dias (1990: 56) - Água Limpa Farm (metaphytic).

Zygophyceae, Desmidiales

Actinotaenium (Näg.) Teil.

A. rufescens (Cl.) Teil.

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

Bambusina Kütz.

B. armata Grönb.

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

B. brebissonii Kütz. var. *brebissonii* [= ***B. borreri***(Ralfs) Cleve]

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

— var. *brasiliensis* Förster [= ***B. borreri*** var. ***brasiliensis*** (Förster) Senna & Compère

Leite (1990: 34) - Bonita lake (planktic and metaphytic).

Leite & Senna (1992: 96) - Bonita lake (planktic and metaphytic).

Closterium Nitzsch ex Ralfs

C. acutum (Lyng.) Bréb. ex Ralfs var. ***acutum***

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).

Giani (1984: 144) - Paranoá Reservoir (planktic).

Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).

— var. *tenuis* Nordst. [orthographic error for var. ***tenue*** Nordst.]

Branco (1991: 329) - Paranoá Reservoir (metaphytic).

Giani & Pinto-Coelho (1986: 46) - Paranoá Reservoir (planktic). (as *tenue*)

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)

Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

— var. ***variabile*** (Lemm.) Krieg.

Cronberg (1977: 52) - Descoberto Reservoir (planktic).

Cronberg (1977: 54) - Torto Reservoir (planktic).

C. archianum Cl. var. ***archianum***
Leite (1990: 34) - Bonita lake (planktic and metaphytic).
— var. ***minus*** Skuja
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. baillyanum Bréb.
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. closterioides (Ralfs) Louis & Peeters var. ***intermedium*** (Roy & Biss.) Růžička
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. dianae Ehr. ex Ralfs
Oliveira & Krau (1970: 91) - Paranoá Reservoir, Saco do Torto (planktic).

C. didymotocum Corda ex Ralfs
Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

C. intermedium Ralfs
Giani (1984: 144) - Paranoá Reservoir (planktic).

C. kuetzingii Bréb. ex Ralfs
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

C. legumen Borge [error for *C. legumen* W. & G.S. West var. *brasiliense* Borge ? = ***C. bacillum*** Joshua]
Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

C. leiblenii Kütz. ex Ralfs
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. libellula Focke [= ***C. closterioides*** (Ralfs) Louis & Peeters]
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

C. lineatum Ralfs
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. macilentum Bréb.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*C. **moniliferum*** (Bory) Ehr. ex Ralfs

Branco (1991: 329) - Paranoá Reservoir (planktic).
Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic). Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

*C. **navicula*** (Bréb.) Lütkem.

Giani & Pinto-Coelho (1986: 53) - Paranoá Reservoir (planktic).

*C. **peracerosum*** Gay

Ferreira (1988: 38) - Guará I oxidation pond (planktic).

*C. **porrectum*** Nordst.

Leite (1990: 34) - Bonita lake (planktic and metaphytic).

C. setacerum West & West [orthographic error for *C. **setaceum*** Ehr. ex Ralfs?]

Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

*C. **setaceum*** Ehr. ex Ralfs

Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 53) - Paranoá Reservoir (planktic).
Leite (1990: 34) - Bonita lake (planktic and metaphytic).

*C. **striolatum*** Ehr. ex Ralfs

Giani & Pinto-Coelho (1986: 53) - Paranoá Reservoir (planktic).

*C. **toxon*** W. West

Leite (1990: 35) - Bonita lake (planktic and metaphytic).

Cosmarium Corda ex Ralfs

C. arthrodesmiforme Borge [= ***Staurodesmus arthrodesmiforme*** (Borge) Teil.]

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*C. **bioculatum*** Bréb. ex Ralfs

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 58) - Jaburu pond (planktic).

*C. **brebissonii*** Menegh. ex Ralfs
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **dimaziforme*** (Grönb.) Scott & Grönb. var. ***concavum*** Förster
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **distortum*** Förster var. ***spinuliferum*** Förster
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **furcatum*** Förster
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **horridum*** Borge
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **humile*** (Gay) Nordst.
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

*C. **isthmochondrum*** Nordst.
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **kostei*** Thom.
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **lagoense*** var. ***amoebum*** Förster & Eckert ex Förster
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

*C. **latipyramidatum*** Scott & Grönb. var. ***trapeziforme*** Thom.
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **margaritatum*** (Lund.) Roy & Biss.
Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

*C. **ordinatum*** (Börg.) W.West & G.S.West
Leite (1990: 35) - Bonita lake (planktic and metaphytic).

*C. **ornatum*** var. ***pseudolagoense*** Förster & Eckert
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

*C. **orthostichum*** Lund. var. ***orthostichum***
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).
— var. ***compactum*** West & West f. ***divaricatum*** C. Bic.
Giani & Pinto-Coelho (1986: 53) - Paranoá Reservoir (planktic).

*C. **patelliforme*** Borge
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

*C. **pseudopyramidatum*** Lund. var. ***pseudopyramidatum***
Leite (1990: 36) - Bonita lake (planktic and metaphytic).
— var. ***maximum*** Börg.
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

*C. **pseudotaxichondrum*** var. ***longii*** (Taylor) Scott
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

*C. **pseudoxanthidiforme*** Förster & Eckert ex Förster
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

*C. **punctulatum*** Bréb.
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

*C. **pyramidatum*** Bréb. ex Ralfs
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*C. **redimitum*** Borge
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*C. **speciosum*** Lund.
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 54) - Paranoá Reservoir (planktic).

C. subprotidum Nordst. var. *subprotidum* [orthographic error for *C. **subprotumidum*** Nordst.]
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

— var. ***gregorii*** (Roy & Biss.) West & West
Giani & Pinto-Coelho (1986: 53) - Paranoá Reservoir (planktic).

Cosmarium sp. 1
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

Cosmarium sp. 2
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

Cosmarium sp. 3
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

Desmidium Ag. ex Ralfs

D. baileyi (Ralfs) Nordst. f. ***tetragonum*** Nordst.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

D. curvatum (Nordst.) Lagerh.
Cronberg (1977: 54) - Torto Reservoir (planktic).
Leite (1990: 37) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 97) - Bonita lake (planktic and metaphytic).

D. elegans (Racib.) Grönb.
Leite (1990: 37) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 97) - Bonita lake (planktic and metaphytic).

D. graciliceps (Nordst.) Lagerh. var. ***graciliceps***
Cronberg (1977: 54) - Torto Reservoir (planktic).

— var. ***groenbladii*** C. Bic. & Sam.
Leite (1990: 37) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 96) - Bonita lake (planktic and metaphytic).

D. sioli Förster
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

Euastrum Ehr. ex Ralfs

E. brasiliense Borge
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. cuspidatum Wolle var. *goyazense* (Förster) Förster
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. didelta (Turp.) Ralfs
Cronberg (1977: 54) - Torto Reservoir (planktic).

E. evolutum (Nordst.) West & West var. *perornatum* Scott & Croasd.
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. foersteri Scott & Croasd.
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. gemmatum (Bréb.) Ralfs
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. informe Borge
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

*E. pirassununga*e Borge
Leite (1990: 37) - Bonita lake (planktic and metaphytic).

E. spinulosum Delp. var. *grandiornatum* Förster
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

E. sublobatum Bréb. ex Ralfs
Leite (1990: 36) - Bonita lake (planktic and metaphytic).

Gonatozygon De Bary
G. aculeatum Hastings
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Groenbladia Teil.
G. undulata (Nordst.) Förster
Leite (1990: 38) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 96) - Bonita lake (planktic and metaphytic).

Hyalotheca Ehr.

H. dissiliens S. E. Smith & Bréb.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Leite (1990: 38) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 96) - Bonita lake (planktic and metaphytic).

H. indica Turn. var. *javanica* Gutw. f. *maior* Grönb. & Croasd.

Leite (1990: 38) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 98) - Bonita lake (planktic and metaphytic).

Ichthyocercus

I. cronbergii Bourr.

Couté & Tell (1981: 190) - Carás pond (planktic).
Leite (1990: 38) - Bonita lake (planktic and metaphytic).

I. longispinus (Borge) Krieg.

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Leite (1990: 38) - Bonita lake (planktic and metaphytic).

Micrasterias Ag. ex Ralfs

M. arcuata Bailey ex Ralfs var. *arcuata*

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 54) - Paranoá Reservoir (planktic).
Leite (1990: 38) - Bonita lake (planktic and metaphytic).

— var. *compacta* Förster

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

— var. *expansa* (Bailey) Nordst.

Leite (1990: 38) - Bonita lake (planktic and metaphytic).

M. borgei Krieg. var. *multidentata* Krieg.

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

M. comperei Ganem & Senna

Ganem & Senna (1984: 487) - Água Limpa Farm (metaphytic).

M. crux-melitensis (Ehr.) Ralfs

Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

M. foliacea Bailey ex Ralfs

Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. furcata Ralfs var. *groenbladii* (Croasd.) Förster [= ***M. furcata*** var. ***furcata***, cf. BICUDO & SORMUS 1982]

Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. laticeps Nordst. var. ***laticeps***

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Leite (1990: 39) - Bonita lake (planktic and metaphytic).

— var. ***ampliata*** Krieg.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

M. pinnatifida (Kütz.) Ralfs

Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. radians Turn.

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic). Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. radiata Hass. ex Ralfs var. *brasiliensis* Grönb. [= ***M. furcata*** var. ***furcata***]

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

— var. *groenbladii* Croasd. [= ***M. furcata*** var. ***furcata***, cf. BICUDO & SORMUS 1982]

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

M. radiosa Ralfs var. ***radiosa***

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

Leite (1990: 39) - Bonita lake (planktic and metaphytic).

— var. ***ornata*** Nordst. f. ***elegantior*** G.S.West

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

M. rotata Ralfs

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

M. schweinfurthii Borge

Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

M. sol (Ehr.) Kütz. var. *ornata* (Nordst.) Nordst. [= ***M. radiosa*** var. ***ornata***]
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

M. subaequalis Grönb.
Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. tetraptera West & West var. ***spinulosa*** Grönb.
Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. torreyi Bailey var. ***curvata*** Krieg.
Leite (1990: 39) - Bonita lake (planktic and metaphytic).

M. truncata (Corda) Bréb. ex Ralfs var. ***truncata***
Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Leite (1990: 40) - Bonita lake (planktic and metaphytic).
— var. ***pusilla*** G.S. West
Leite (1990: 40) - Bonita lake (planktic and metaphytic).

Penium Bréb. ex Ralfs
P. margaritaceum (Ehr.) Bréb.
Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

Phymatodocis Nordst.
P. alternans Nordst.
Leite (1990: 40) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 98) - Bonita lake (planktic and metaphytic).

Pleurotaenium Näg.
P. minutum (Ralfs) Delp. var. ***elongatum*** (West & West) Ced.
Leite (1990: 480) - Bonita lake (planktic and metaphytic).

Spinoclosterium Bernard
S. cuspidatum (Bail.) Hir.
Leite (1990: 40) - Bonita lake (planktic and metaphytic).

Spondylosium Bréb. ex Kütz.

S. desmidiiforme (Borge) West & West

Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

S. pulchellum (Arch.) Rabh.

Leite (1990: 40) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 99) - Bonita lake (planktic and metaphytic).

S. pulchrum (Bail.) Arch.

Leite (1990: 40) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 99) - Bonita lake (planktic and metaphytic).

S. rectangulare (Wolle) West & West var. *rectangulare*

Leite (1990: 41) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 99) - Bonita lake (planktic and metaphytic).

— f. *maius* Scott & Croasd.

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

Staurastrum Meyen ex Ralfs

S. bicoronatum Johnson

Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 54) - Paranoá Reservoir (planktic).

S. boergesenii Racib. var. *aculeatum* Förster

Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

— var. *elegans* Borge

Leite (1990: 41) - Bonita lake (planktic and metaphytic).

S. brasiliense Nordst.

Leite (1990: 41) - Bonita lake (planktic and metaphytic).

S. chaetoceras (Schröd.) G.M.Smith

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

S. circulus Grönb.

Leite (1990: 41) - Bonita lake (planktic and metaphytic).

S. clevei (Wittr.) Roy & Biss.
Leite (1990: 41) - Bonita lake (planktic and metaphytic).

S. coarctatum Bréb.
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

S. columbetoides W.West & G.S.West
Leite (1990: 41) - Bonita lake (planktic and metaphytic).

S. cosmarioides Nordst.
Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

S. cuspidatum (Bréb.) Ralfs var. *cuspidatum* [= ***Staurodesmus cuspidatus***]
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 46) - Paranoá Reservoir (planktic).
— var. *robustum* Messik. [= ***Staurodesmus mammilatus*** var. ***robustus*** (Messik.) Teil.]
Giani & Pinto-Coelho (1986: 54) - Paranoá Reservoir (planktic).

S. dickei Ralfs [= ***Staurodesmus dickei***]
Giani & Pinto-Coelho (1986: 56) - Paranoá Reservoir (planktic).

S. ginzbergeri Grönb.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

S. hagmanii Grönb.
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 56) - Paranoá Reservoir (planktic).

S. iversenii Nyg. var. ***americamum*** Scott & Grönb.
Giani & Pinto-Coelho (1986: 56) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

S. laeve Ralfs
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 58) - Jaburu pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 56) - Paranoá Reservoir (planktic).
Leite (1990: 41) - Bonita lake (planktic and metaphytic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

*S. **leptacanthum*** Nordst.
Leite (1990: 41) - Bonita lake (planktic and metaphytic).

*S. **lunatum*** Ralfs
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 56) - Paranoá Reservoir (planktic).

*S. **micron*** West & West
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

*S. **muticum*** Bréb. ex Ralfs
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 58) - Paranoá Reservoir (planktic).
Leite (1990: 42) - Bonita lake (planktic and metaphytic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

*S. **nova-caesareae*** Wolle var. ***brasiliense*** (Grönb.) Förster
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).

*S. **octodontum*** Skuja var. ***tetradontum*** Scott & Grönb.
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

*S. **paradoxum*** Meyen ex Ralfs var. ***paradoxum***
Giani (1984: 144) - Paranoá Reservoir (planktic).

— var. ***parvum*** W. West
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).

S. ***penicilliferum*** Grönb.
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

S. ***polymorphum*** Bréb. ex Ralfs var. ***polymorphum***
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
— var. ***pusillum*** W. West
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
— var. ***simplex*** West & West
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

S. ***quadrangulare*** Bréb. var. ***quadrangulare***
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 58) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).
— var. ***longispinum*** Börg.
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

S. ***radians*** W.West & G.S.West var. ***brasiliense*** Scott & Croasd.
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

S. ***saltans*** Joshua var. ***brasiliense*** Grönb.
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

S. ***setigerum*** Cl. var. ***setigerum***
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 58) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

— var. ?

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Cronberg (1977: 58) - Jaburu pond (planktic).

— var. *tetracerum* [error for ***S. tetracerum*** Ralfs ?]

Branco (1991: 329) - Paranoá Reservoir (planktic).

S. sexangulare Grönb. var. ***sexangulare***

Oliveira & Krau (1970: 97) - Paranoá Reservoir, Saco do Bananal (planktic).

— var. ***brasiliense*** Grönb.

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

— f. ***septemradiatum*** Förster

Oliveira & Krau (1970: 92) - Paranoá Reservoir (planktic).

S. smithii (G.M. Smith) Teil.

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

S. spiculiferum Borge var. ***spiculiferum***

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Leite (1990: 42) - Bonita lake (planktic and metaphytic).

— var. ***africanum*** Bourr.

Leite (1990: 43) - Bonita lake (planktic and metaphytic).

S. stelliferum Borge var. ***stelliferum***

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

— var. ***evolutum*** Thom.

Leite (1990: 43) - Bonita lake (planktic and metaphytic).

S. teliferum Ralfs var. ***groenbladii*** (Grönb.) Förster

Leite (1990: 43) - Bonita lake (planktic and metaphytic).

S. tentaculiferum Borge

Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Leite (1990: 43) - Bonita lake (planktic and metaphytic).

S. tetracerum (Kütz.) Ralfs var. ***tetracerum***

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (fac 2 and 3).
Cronberg (1977: 52) - Descoberto Reservoir (fac 2 and 3).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 57) - Azul pond (planktic).
Cronberg (1977: 58) - Jaburu pond (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 58) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

— var. ***validum*** West & West

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

S. tohopekaligense Wolle f. ***minus*** Turn.

Leite (1990: 43) - Bonita lake (planktic and metaphytic).

S. trifidum Nordst. var. ***inflexum*** W.West & G.S.West

Leite (1990) - Bonita lake (planktic and metaphytic).

— var. ***porrectum*** Croasd. & Scott

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

S. volans W. West & G.S. West

Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).

Staurodesmus Teil.

S. arthrodesmiformis (Borge) Teil.

Leite (1990: 44) - Bonita lake (planktic and metaphytic).

S. calyxoides (Wolle) Croasd. var. *marthae* (Grönb.) Teil. [= ***Croasdalea marthae*** (Grönbl.) Bicudo & Mercante 1993]

Cronberg (1977: 55) - Joaquim Medeiros and Cara pools (planktic and metaphytic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **cuspidatus*** (Bréb. ex Ralfs) Teil. var. ***cuspidatus***
Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
— var. ***subexcavatus*** (West & West) Förster
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

*S. **dickei*** (Ralfs) Lillieroth
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

*S. **extensus*** (Borge) Teil.
Cronberg (1977: 54) - Torto Reservoir (planktic).
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **jaculiferus*** (W. West) Teil.
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **mucronatus*** (Ralfs) Croasd.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

S. mucronulatus (Nordst.) Compère [= ***Octacanthium mucronulatum*** (Nordst.) Compère 1996]
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **obsoletus*** (Hantzsch) Teil.
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **omearae*** (Arch.) Teil. var. ***minutus*** (W. West) Teil.
Cronberg (1977: 51) - Santa Maria Reservoir (fac 2 and 4) (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 57) - Azul pond (planktic).

*S. **phimus*** (Turn.) Thom. var. ***semilunaris*** (Schmidle) Teil.
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **pseudoarthrodesmus*** (Grönb.) Teil.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*S. **seleneus*** (Grönb.) Teil.
Leite (1990: 44) - Bonita lake (planktic and metaphytic).

*S. **subulatus*** (Kütz.) Thom. var. ***rhomboides*** (Hir.) Teil.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).

*S. **subpygmaeus*** (W. West) Croasd. var. ***spiniferus*** (Scott & Grönbl.) Teil.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

*S. **triangularis*** (Lagerh.) Teil. var. ***triangularis***
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Leite (1990: 45) - Bonita lake (planktic and metaphytic).
— var. ***limneticus*** Teil.
Leite (1990: 45) - Bonita lake (planktic and metaphytic).

*S. **wandae*** (Racib.) Bour. var. ***wandae***
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Leite (1990: 45) - Bonita lake (planktic and metaphytic).
— var. ***longissimus*** (Borge) Teil.
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Leite (1990: 45) - Bonita lake (planktic and metaphytic).

Teilingia Bourr.
*T. **granulata*** (Roy & Biss.) Bourr.
Leite (1990: 45) - Bonita lake (planktic and metaphytic).
Leite & Senna (1992: 100) - Bonita lake (planktic and metaphytic).

*T. **wallichii*** (Jacobsen) Bourr. var. ***borgei*** (Grönb.) Förster
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

Triploceras Bailey

T. gracile Bailey var. ***gracile***

Cronberg (1977: 54) - Torto Reservoir (planktic).

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

— var. ***bidentatum*** Nordst.

Leite (1990: 45) - Bonita lake (planktic and metaphytic).

Xanthidium Ehr. ex Ralfs

X. canadense (Joshua) Förster var. ***amazonense*** Förster

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

X. mamillosum (Grönb.) Förster

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

Leite (1990: 46) - Bonita lake (planktic and metaphytic).

X. regulare Nordst. var. ***asteptum*** Nordst.

Leite (1990: 46) - Bonita lake (planktic and metaphytic).

Euglenophyta

Euglenophyceae, Euglenales

Euglena Ehr.

E. acus Ehr. var. ***acus***

Ferreira (1988: 38) - Guará I oxidation pond (planktic).

Branco (1991: 329) - Paranoá Reservoir (planktic).

Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).

Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

— var. ***rigida*** Huebner

Cardoso (1982: 34) - RCG Oxidation pond; Zoological Garden ponds; Guará II Oxidation pond; Tamanduá Farm, Capão Comprido stream; Paranoá Reservoir (planktic).

E. anabaena Mainx

Ferreira (1988: 39) - Guará I oxidation pond (planktic).

E. caudata Huebner

Cronberg (1977: 59) - Guará I oxidation pond (planktic).

Cronberg (1977: 59) - RCG oxidation pond (planktic).

Cardoso (1982: 42) - Zoological Garden ponds; Granja do Ipê; RCG Oxidation pond; Águas Emendadas Biological Reserve; Paranoá Reservoir (planktic).

E. clara Skuja

Cardoso (1982: 44) - Zoological Garden ponds; Guará I oxidation pond (planktic).

E. dicentra Skuja

Cardoso (1982: 46) - Zoological Garden ponds; Granja do Ipê; RCG Oxidation pond (planktic).

E. ehrenbergii Klebs

Cardoso (1982: 49) - Zoological Garden ponds; Águas Emendadas Biological Reserve; Dois Irmãos Farm (planktic).

E. gracilis Klebs

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Cardoso (1982: 54) - Zoological Garden ponds; Águas Emendadas Biological Reserve; Dois Irmãos Farm, Dois Irmãos stream; Planaltina Oxidation pond (planktic).

E. granulata (Klebs) Lemm.

Cardoso (1982: 57) - Granja do Ipê; RCG Oxidation pond (planktic).

E. guentheri Gojdics

Cardoso (1982: 59) - Zoological Garden ponds (planktic)

E. laciniata Pringsh.

Cardoso (1982: 62) - Zoological Garden ponds (planktic).

E. magnifica Pringsh.

Cardoso (1982: 64) - Zoological Garden ponds; RCG Oxidation pond; Joaquim Medeiros pond (planktic).

E. mutabilis Schmitz

Cardoso (1982: 68) - Zoological Garden ponds; Granja do Ipê; São Gonçalo stream; Vargem da Benção village; Salta Fogo stream, Dr. Fernando Galvão Farm; Grande Reservoir; Saia Velha stream; Taquaril stream, Taquaril Farm; Joaquim Medeiros ponds (planktic and metaphytic); Pipiripau stream; Capão Grande stream; Taquara stream; Sobradinho I village, Capão Grande stream; Sobradinho I village, Capão Comprido stream; Caveiras stream; Olaria stream; Rodeador Farm, Bucaininha stream; Cabeceira do Campo stream; Alexandre Gusmão village, Guariroba stream (planktic).

*E. **mutabilis*** Schmitz f. a

Cardoso (1982: 73) - Granja do Ipê (planktic).

*E. **mutabilis*** Schmitz f. b

Cardoso (1982: 73) - CPAC (planktic).

*E. **mutabilis*** Schmitz f. c

Cardoso (1982: 74) - Zoological Garden ponds; Grande Reservoir; Taquara stream; Sobradinho I village, Capão Grande stream (planktic).

*E. **oxyuris*** Schmarda

Cardoso (1982: 75) - Zoological Garden ponds (planktic)

*E. **pisciformis*** Klebs

Cardoso (1982: 79) - Zoological Garden ponds; Granja do Ipê; RCG Oxidation pond; Vereda stream,; Tamanduá Farm, Capão Comprido stream; Só Frango Oxidation ponds; Dois Irmãos Farm; Taquaril stream; Gibóia stream; Descoberto river; Engenho das Lages stream; Saia Velha stream; Planaltina Oxidation pond (planktic).

Ferreira (1988: 39) - Guará I oxidation pond (planktic).

*E. **polymorpha*** Dang.

Cardoso (1982: 83) - Águas Emendadas Biological Reserve; Paranoá Reservoir (planktic).

*E. **sanguinea*** Ehr.

Cardoso (1982: 85) - Zoological Garden ponds; Granja do Ipê (planktic).

*E. **sociabilis*** Dang.

Cardoso (1982: 91) - Zoological Garden ponds; Guará I oxidation pond; Jardim stream; Dois Irmãos Farm; Taquaril stream (planktic).

*E. **spirogyra*** Ehr. var. ***spirogyra***

Cardoso (1982: 95) - Zoological Garden ponds; Samambaia stream; Taquaril stream; Ouro stream (planktic).

— var. ***fusca*** Klebs

Cardoso (1982: 100) - Zoological Garden ponds; Buruti Tição stream; Dois Irmãos Farm; Taquaril stream (planktic).

*E. **velata*** Klebs

Cardoso (1982: 106) - Zoological Garden ponds; Guará I oxidation pond; Águas Emendadas Biological Reserve; Mangabeira Farm, Mangabeira stream (planktic).

E. viridis Ehr.

Oliveira & Krau (1970: 101) - Paranoá Reservoir, Saco das Embaixadas (planktic).

Cronberg (1977: 59) - Guará I oxidation pond (planktic).

Cardoso (1982: 108) - Zoological Garden ponds; Guará I oxidation pond; Roncador Biological Reserve, Roncador stream; Buriti Vermelho stream, Itapeti Farm; Tamanduá Farm, Capão Comprido stream; Só Frango Oxidation pond; Salta Fogo stream, Dr. Fernando Galvão Farm; Dois Irmãos Farm; Saia Velha stream; Santa Bárbara Farm, Santa Bárbara stream; Mangabeira Farm, Mangabeira stream; Ouro stream; Pedreira Farm, Salinas stream or Catingueiro stream; Taquaril stream, Taquaril Farm; Sobradinho I village, Capão Grande stream (planktic).

Lepocinclis Perty

L. fusiformis (Carter) Lemm.

Cardoso (1982: 119) - Zoological Garden ponds (planktic)

L. ovum (Ehr.) Lemm. var. *ovum* f. *dimidio-minor* Defl.

Cardoso (1982: 122) - Zoological Garden ponds; Granja do Ipê; Jardim stream; Tamanduá Farm, Capão Comprido stream; Dois Irmãos Farm; Taquaril stream; Santa Bárbara Farm, Santa Bárbara stream; Capão Grande stream (planktic).

— f. *ecaudata* Defl.

Cardoso (1982: 123) - Zoological Garden ponds; Granja do Ipê; Taquaril stream (planktic).

— var. *deflandriana* Conr.

Cardoso (1982: 124) - Zoological Garden ponds; Vargem da Benção village; Dois Irmãos Farm (planktic).

— var. *globula* (Perty) Lemm.

Cardoso (1982: 125) - Zoological Garden ponds; Granja do Ipê (planktic).

L. paxilliformis Playf.

Cardoso (1982: 129) - Dois Irmãos Farm (planktic).

L. salina Fritsch

Cardoso (1982: 131) - Zoological Garden ponds; Paranoá Reservoir; Tamanduá Farm, Capão Comprido stream (planktic).

L. teres (Schmitz) Francé var. ?

Cardoso (1982: 132) - Zoological Garden ponds (planktic)

Lepocinclis sp. a

Cardoso (1982: 135) - RCG Oxidation pond; Planaltina Oxidation pond (planktic).

Lepocinclis sp b

Cardoso (1982: 137) - Granja do Ipê; RCG Oxidation pond (planktic).

Phacus Duj.

P. acuminatus Stokes var. *acuminatus*

Cardoso (1982: 144) - Zoological Garden ponds; Dois Irmãos Farm; Taquaril stream; Planaltina Oxidation pond (planktic).

— var. *variabilis* (Lemm.) Pochm.

Cardoso (1982: 148) - Zoological Garden ponds; Dois Irmãos Farm; Taquaril stream; Planaltina Oxidation pond (planktic).

P. agilis Skuja

Cardoso (1982: 143) - Zoological Garden ponds; Guará I oxidation pond; Saia Velha stream; Mestre d'Armas stream, Bambu Farm (planktic).

P. circumflexus Pochm.

Cardoso (1982: 149) - Zoological Garden ponds; RCG Oxidation pond; Paranoá Reservoir; Planaltina Oxidation pond (planktic).

P. curvicauda Swir.

Cardoso (1982: 151) - Zoological Garden ponds; Guará I oxidation pond; Planaltina Oxidation pond; Joaquim Medeiros ponds (planktic and metaphytic).

P. dangeardii Lemm.

Cardoso (1982: 154) - Zoological Garden ponds (planktic)

P. helicoides Pochm.

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - RCG oxidation pond (planktic).

P. ichthydion Pochm.

Cardoso (1982: 156) - Zoological Garden ponds (planktic)

P. longicauda (Ehr.) Dujardim

Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Guará I oxidation pond (planktic).
Cardoso (1982: 158) - RCG Oxidation pond; Paranoá Reservoir (planktic).
Ferreira (1988: 40) - Guará I oxidation pond (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).

P. platalea Drezep.

Ferreira (1988: 40) - Guará I oxidation pond (planktic).

P. pleuronectes (O.F. Müll.) Dujard.
Cardoso (1982: 161) - Zoological Garden ponds (planktic)

P. pseudonordstedtii Pochm.
Ferreira (1988: 41) - Guará I oxidation pond (planktic).

P. pyrum (Ehr.) Stein
Cardoso (1982: 163) - Zoological Garden ponds; RCG Oxidation pond; Vargem da Benção village; Dois Irmãos Farm; Taquaril stream; Joaquim Medeiros ponds (planktic and metaphytic)..

P. segretii All. & Lef.
Cardoso (1982: 165) - Zoological Garden ponds (planktic)

P. tortus (Lemm.) Skortzov
Cardoso (1982: 167) - Zoological Garden ponds; RCG Oxidation pond; Paranoá Reservoir; Planaltina Oxidation pond (planktic).
Ferreira (1988: 41) - Guará I oxidation pond (planktic).

Trachelomonas Ehr.
T. abrupta Swir.
Cardoso (1982: 176) - Zoological Garden ponds (planktic)

T. allia Drezep.
Cardoso (1982: 178) - RCG Oxidation pond (planktic).

T. armata (Ehr.) Stein var. *armata*
Cardoso (1982: 180) - Zoological Garden ponds (planktic)
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 59) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 74) - Paranoá Reservoir (planktic).
— var. *coronata* Defl.
Cronberg (1977: 59) - RCG oxidation pond (planktic).
— var. *glabra* Playf.
Cardoso (1982: 184) - Zoological Garden ponds (planktic).
— var. *steinii* Lemm.
Cardoso (1982: 186) - Zoological Garden ponds (planktic).

*T. **bacillifera*** Playf. var. ***globulosa*** Playf.

Cardoso (1982: 188) - Zoological Garden ponds; Granja do Ipê (planktic).

— var. ***minima*** Playf.

Cardoso (1982: 189) - Zoological Garden ponds; Alfa Area (planktic).

*T. **cervicula*** Stokes

Cardoso (1982: 191) - RCG Oxidation pond; Zoological Garden ponds (planktic)

*T. **conica*** Playf.

Cardoso (1982: 194) - Zoological Garden ponds (planktic)

*T. **curta*** Cunha

Cardoso (1982: 195) - Zoological Garden ponds; RCG Oxidation pond; CPAC-EMBRAPA: Rodeador Farm; Cabeceiras do Campo stream (planktic).

*T. **cylindrica*** Ehr. var. ***decollata*** Playf.

Cardoso (1982: 198) - Zoological Garden ponds; Dois Irmãos Farm; Alfa Area (planktic).

*T. **hispida*** (Perty) Stein var. ***coronata*** Lemm.

Cardoso (1982: 199) - RCG Oxidation pond; Zoological Garden ponds; Sobradinho I village, Capão Grande stream.

— var. ***crenulatocollis*** (Maskell) Lemm.

Cardoso (1982: 202) - RCG Oxidation pond; Zoological Garden ponds (planktic)

— var. ***punctata*** Lemm.

Cardoso (1982: 204) - Zoological Garden ponds; São Gonçalo stream, Tabatinga and Rio Preto villages; Buriti Vermelho stream, Itapeti Farm; Tamanduá Farm, Capão Comprido stream; Joaquim Medeiros pond (planktic).

*T. **lacustris*** Drezep.

Cardoso (1982: 206) - Zoological Garden ponds; Dois Irmãos Farm; Alfa Area; Cantagalo farm, Buritis stream (planktic).

*T. **lemmermannii*** Wolosz. var. ***acuminata*** Defl.

Cardoso (1982: 208) - Zoological Garden ponds (planktic)

*T. **oblonga*** Lemm.

Cardoso (1982: 209) - Zoological Garden ponds; Dois Irmãos Farm; Taquaril stream; Saia Velha stream; Joaquim Medeiros ponds (planktic and metaphytic)..

*T. **robusta*** Swir.

Cardoso (1982: 211) - Zoological Garden ponds (planktic)

*T. **spinosa*** Stokes

Cardoso (1982: 213) - Joaquim Medeiros ponds (planktic and metaphytic)..

*T. **triangularis*** Defl.

Cardoso (1982: 214) - Bonita lake; Joaquim Medeiros ponds (planktic and metaphytic)..

*T. **varians*** Defl.

Cardoso (1982: 216) - RCG Oxidation pond; Zoological Garden ponds; Planaltina Oxidation pond (planktic).

*T. **verrucosa*** Stokes

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cardoso (1982: 218) - Zoological Garden ponds (planktic)

*T. **volvocina*** Ehr. var. ***volvocina***

Cronberg (1976: 15) - Paranoá Reservoir (planktic).
Cronberg (1977: 50) - Paranoá Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 58) - Zoological Garden ponds (planktic)
Cronberg (1977: 59) - Guará I oxidation pond (planktic).
Cronberg (1977: 59) - RCG oxidation pond (planktic).
Cardoso (1982: 220) - Zoological Garden ponds; Só Frango Oxidation pond (planktic).
Ferreira (1988: 41) - Guará I oxidation pond (planktic).

— var. ***scutella*** Schiller

Cardoso (1982: 224) - Zoological Garden ponds (planktic).

*T. **volvocinopsis*** Swir.

Cardoso (1982: 226) - RCG Oxidation pond; Zoological Garden ponds (planktic)
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 59) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Trachelomonas sp. a

Cardoso (1982: 228) - Zoological Garden ponds (planktic)

Trachelomonas sp. b
Cardoso (1982: 229) - Zoological Garden ponds (planktic)

Trachelomonas sp. c
Cardoso (1982: 231) - RCG Oxidation pond; Zoological Garden ponds; Tamanduá Farm, Capão Comprido stream.

Pyrrhophyta

Cryptophyceae, Cryptomonadales

Cryptomonas Ehr.
C. ovata Ehr.
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178) - Paranoá Reservoir (planktic).
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

C. marssonii Skuja
Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Chroomonas Hansg.
C. acuta Uterm.
Cronberg (1977: 59) - Torto Reservoir (planktic).

Dinophyceae, Peridiniales

Gymnodinium Stein
G. helveticum Penard
Cronberg (1977: 54) - Torto Reservoir (planktic).

Peridinium Ehr.
P. elpatiewskyi (Ostenf.) Lemm. [= *Peridiniopsis elpatiewskyi* (Ostenf.) Bourr.]
Cronberg (1977: 58) - Jaburu pond (planktic).

P. gatunense Nyg. var. ***madagascariense*** (Lef.) Lef.
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

P. inconspicuum Lemm. [= ***P. umbonatum*** Stein, cf. POPOVSKÝ & PFIESTER 1990]
Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1976: 17) - Bonita lake (planktic and metaphytic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).
Cronberg (1977: 58) - Jaburu pond (planktic).
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 59) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

P. volzii Lemm. [= ***P. willei*** Huitf.-Kaas]
Pinto-Coelho (1983: 154) - Paranoá Reservoir (planktic).
Giani (1984: 144) - Paranoá Reservoir (planktic).
Pinto-Coelho & Giani (1985: 2003) - Paranoá Reservoir (planktic).
Giani & Pinto-Coelho (1986: 59) - Paranoá Reservoir (planktic).
Branco (1991: 329) - Paranoá Reservoir (planktic).
Branco & Senna (1996a: 178): Paranoá Reservoir (planktic)
Branco & Senna (1996b: 73) - Paranoá Reservoir (planktic).

Rhodophyta

Rhodophyceae, Nemalionales

Batrachospermum Roth
B. moniliforme Roth [= ***B. gelatinosum*** (L.) DC. cf. NECCHI 1990]
Oliveira & Krau (1970: 97) - Coqueiros stream, Granja do Ipê (metaphytic).

Chromophyta

Chrysophyceae, Ochromonadales

Dinobryon Ehr.

D. cylindricum Imhof ex Ahlstr. var. *cylindricum*

Cronberg (1976: 17) - Bonita lake (planktic and metaphytic).
Cronberg (1977: 54) - Torto Reservoir (planktic).
Cronberg (1977: 55) - Joaquim Medeiros and Carás ponds (planktic and metaphytic).
Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

— var. *americanum* (Brunnth.) Bachm..

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

D. divergens Imhof

Cronberg (1976: 16) - Santa Maria Reservoir (planktic).
Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

D. elegantissimum Bour.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).

D. eurystoma (Stokes) Lemm. var. *proteus* (Wisl.) Hub.-Pest.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).

D. pediforme (Lemm.) Stein.

Cronberg (1977: 56) - Bonita lake (planktic and metaphytic).

D. setularia Ehr.

Cronberg (1977: 54) - Torto Reservoir (planktic).

D. sociale Ehr. var. *americanum* (Brunnth.) Bachm.

Cronberg (1977: 51) - Santa Maria Reservoir (planktic).
Cronberg (1977: 52) - Descoberto Reservoir (planktic).
Cronberg (1977: 54) - Torto Reservoir (planktic).

Mallomonas Perty

M. tonsurata Teil. var. *alpina* (Pasch. & Ruttn.) Krieg.

Cronberg (1977: 54) - Torto Reservoir (planktic).

Diatomophyceae, Centrophycideae, Coscinodiscales

Aulacoseira Thwaites

A. ambigua (Grun.) Sim.

Souza (1994: 26) - Bonita lake (metaphytic).

Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

Cyclotella Kütz.

C. meneghiniana Kütz.

Souza (1994: 28) - Bonita lake (metaphytic).

Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

Melosira Ag.

M. granulata (Ehr.) Ralfs var. *granulata* [= ***Aulacoseira granulata*** (Ehr.) Sim.]

Cronberg (1977: 50) - Paranoá Reservoir (planktic).

Cronberg (1977: 58) - Zoological Garden ponds (planktic).

— var. *angustissima* O. Müll. [= ***A. granulata*** var. ***angustissima*** (Ehr.) Sim.]

Cronberg (1976: 15) - Paranoá Reservoir (planktic).

Stephanodiscus Ehr.

S. medius Håkansson

Souza (1994:29) - Bonita lake (metaphytic).

Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

Diatomophyceae, Pennatophycideae, Fragilariales

Meridion Ag.

M. circulare Ag.

Oliveira & Krau (1970: 91) - Águas da Granja do Ipê (metaphytic).

Diatomophyceae, Pennatophycideae, Eunotiales

Actinella F.W. Lewis

*A. **brasiliensis*** Grun.

Souza (1994: 30) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*A. **guianensis*** Grun.

Souza (1994: 32) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*A. **robusta*** Hust.

Souza (1994: 33) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

Eunotia Ehr.

*E. **bidentula*** W. Smith

Souza (1994: 37) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **bilunaris*** (Ehr.) Mills

Souza (1994: 39) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **camelus*** Ehr.

Souza (1994: 41) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **didyma*** Hust. ex Zimm.

Souza (1994: 42) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **flexuosa*** (Bréb.) Kütz.

Souza (1994: 45) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **major*** (W. Smith) Rabh.

Souza (1994: 47) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **minor*** (Kütz.) Grun.
Souza (1994: 49) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **naegelii*** Migula
Souza (1994: 50) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **nymanniana*** Grun.
Souza (1994: 52) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **serra*** Ehr. var. ***diadema*** (Ehr.) Patrick
Souza (1994: 54) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **soleirolii*** (Kütz.) Rabh.
Souza (1994: 55) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **tapacumae*** Ehr.
Souza (1994: 57) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **tenella*** (Grun.) Hust.
Souza (1994: 59) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

*E. **zygodon*** Ehr. var. ***zygodon***
Souza (1994: 60) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).
— var. ***maxima*** Frenguelli
Souza (1994: 62) - Bonita lake (metaphytic).
Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

Diatomophyceae, Pennatophycideae, Achnanthales

Achnanthes Bory

A. minutissima Kütz. [***Achnanthidium minutissimum*** (Kütz.) Czarnecki 1994]

Souza (1994: 67) - Bonita lake (metaphytic).

Diatomophyceae, Pennatophycideae, Naviculales

Anomoeoneis Pfitzer

A. brachysira (Bréb. ex Rabh.) Grun. [= ***Brachysira brebissonii*** Ross]

Souza (1994: 69) - Bonita lake (metaphytic).

A. paludigena Scherer [= ***Nupela paludigena*** (Scherer) Lange-Bertalot]

Souza (1994: 71) - Bonita lake (metaphytic).

A. serians (Bréb.) Cl. [= ***Brachysira serians*** (Bréb.) Round & Mann]

Souza (1994: 73) - Bonita lake (metaphytic).

Cymbella C. A. Ag.

C. amphioxys (Kütz.) Cl.

Souza (1994: 75) - Bonita lake (metaphytic).

C. gracilis (Ehr.) Kütz. [= ***C. lunata*** W. Smith]

Souza (1994: 77) - Bonita lake (metaphytic).

C. minuta Hilse ex Rabh.

Souza (1994: 79) - Bonita lake (metaphytic).

Fallacia D. G. Mann

F. tenera (Hust.) D. G. Mann

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

Frustulia Rabh.

F. rhomboides (Ehr.) De Toni var. ***rhomboides***

Souza (1994: 81) - Bonita lake (metaphytic).

— var. ***saxonica*** (Rabh.) De Toni
Souza (1994: 83) - Bonita lake (metaphytic).

Gomphonema Ehr.
G. brasiliense Grun.
Souza (1994: 85) - Bonita lake (metaphytic).

G. gracile Ehr.
Souza (1994: 86) - Bonita lake (metaphytic).

G. parvulum (Kütz.) Kütz.
Souza (1994: 87) - Bonita lake (metaphytic).

Kobayasia Lange-Bertalot 1996
K. micropunctata (Germain) Lange-Bertalot
Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

Luticola D. G. Mann
L. muticoides (Hust.) D. G. Mann
Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

Navicula Bory
N. cryptocephala Kütz.
Souza (1994: 90) - Bonita lake (metaphytic).
Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

N. micropunctata (Germain) Kobayasi & Naguno [= ***Kobayasia micropunctata***]
Souza (1994: 91) - Bonita lake (metaphytic).

N. muticoides Hust. [= ***Luticola muticoides***]
Souza (1994: 94) - Bonita lake (metaphytic).

N. tenera Hust. [= ***Fallacia tenera***]
Souza (1994: 95) - Bonita lake (metaphytic).

Neidium Pfitzer
N. affine (Ehr.) Pfitz.
Souza (1994: 99) - Bonita lake (metaphytic).

Pinnularia Ehr.

P. borealis Ehr. var. ***borealis***

Souza (1994: 103) - Bonita lake (metaphytic).

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

— var. ***rectangularis*** Carlson

Souza (1994: 104) - Bonita lake (metaphytic).

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

P. gibba Ehr. var. *gibba* [record from Federal District = ***P. subgibba***]

Souza (1994: 105) - Bonita lake (metaphytic).

— var. *linearis* Hust. [= ***P. subgibba***, cf. KRAMMER 1992]

Souza (1994: 107) - Bonita lake (metaphytic).

P. ignobilis (Krasske) Cl.-Euler [= ***P. krookii***]

Souza (1994: 108) - Bonita lake (metaphytic).

P. krookii (Grun.) Cl.

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

P. major (Kütz.) Rabh. var. *major* [= ***P. neomajor***]

Souza (1994: 110) - Bonita lake (metaphytic).

— f. *hyalina* Hust.

Souza (1994: 112) - Bonita lake (metaphytic).

— var. *transversa* (A. Schmidt) Cl. [= ***P. transversa***]

Souza (1994: 113) - Bonita lake (metaphytic).

P. neomajor Krammer

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

P. nobilis Ehr.

Oliveira & Krau (1970: 90) - Paranoá Reservoir, Saco do Torto (planktic).

P. subcapitata Greg.

Souza (1994: 115) - Bonita lake (metaphytic).

Souza & Moreira-Filho (1998) - Bonita lake (metaphytic).

P. subgibba Kram.

Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

P. transversa (A. Schm.) Mayer
Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

P. viridis (Nitzsch) Ehr.
Souza (1994: 116) - Bonita lake (metaphytic).
Souza & Moreira-Filho (in press) - Bonita lake (metaphytic).

Stauroneis Ehr.
S. phoenicenteron (Nitzsch) Ehr.
Souza (1994: 118) - Bonita lake (metaphytic).

Diatomophyceae, Pennatophycideae, Bacillariales

Hantzschia Grun.
H. amphioxys (Ehr.) Grun.
Souza (1994: 124) - Bonita lake (metaphytic).

Rhopalodia O. Müll.
R. gibba (Ehr.) O. Müll.
Souza (1994: 120) - Bonita lake (metaphytic).

R. gibberula (Ehr.) O. Müll. var. *vanheurckii* O. Müll. [according to KRAMMER & LANGE-BERTALOT 1988, this variety does not belong to this species]
Souza (1994: 122) - Bonita lake (metaphytic).

Stenopterobia Bréb.
S. curvula (W. Smith) Krammer [= *S. sigmatella* (Greg.) Ross in HARTLEY 1986]
Souza (1994: 126) - Bonita lake (metaphytic).

S. delicatissima (Lewis) Bréb. ex Van Heurck
Souza (1994: 128) - Bonita lake (metaphytic).

Surirella Turp.
S. biseriata Bréb.
Souza (1994: 130) - Bonita lake (metaphytic).

Xanthophyceae, Mischococcales

Goniochloris Geitler

G. laevis Pasch.

Ferreira (1988: 42) - Guará I oxidation pond (planktic).

Pseudostaurastrum (Hansg.) Chod.

P. limneticum (Borge) Chod.

Ferreira (1988: 42) - Guará I oxidation pond (planktic).

Appendix: New combinations

When preparing this check-list and trying to put the nomenclature of the listed algae in agreement with the most recent advances of algal and cyanophyta taxonomy, a few transfers become unavoidable. We publish here the necessary new combinations.

Cyanophyceae

Leptolyngbya submonilifera (Frémy) Senna & Compère, comb. nov.
Bas.: *Lyngbya submonilifera* Frémy, *Bull. Mus. Nat. Hist. Nat. Paris*, sér. 2, 17(1): 73, fig. 1 (1945)

Phormidium insulare (Gardner) Senna & Compère, comb. nov.
Bas.: *Oscillatoria chalybea* Mert. ex Gom. var. *insularis* Gardn., *Mem. N.Y. Bot. Garden* 7: 36, pl. 7, fig. 68 (1927)

Phormidium natans (Kützing ex Gomont) Senna & Compère, comb. nov.
Bas.: *Oscillatoria tenuis* var. *natans* Kütz. ex Gom., *Ann. Sc. Nat. Bot.*, sér. 7, 16: 221, fig. 2,3 (1892)
Syn.: *Lyngbya natans* Kütz. ex Hansg. *Prodr. Algenfl. Böhmen*, 2: 115 (1892).
Oscillatoria tenuis Ag. ex Gom., loc. cit.
Phormidium tenue (Ag. *ex* Gom.) Anagn. & Kom., *Arch. Hydrobiol. Suppl.*, 80(1-4): 406 (1988) nom. illegit. non *Ph. tenue* Menegh. ex Gom., loc. cit.: 169 (1892)
The name *P. tenue* proposed for this species by Anagnostidis & Komárek (1988) is a later homonym of *P. tenue* Menegh. *ex* Gom. (1892) and must therefore be replaced. The first legitimate epithet at the species level for this taxon is provided by *Lyngbya natans* Kütz. *ex* Hansgirg 1892.

Phormidium proteus (Skuja) Senna & Compère, comb. nov.
Bas.: *Oscillatoria proteus* Skuja, *Nova Acta R. Soc. Scient. Upsal.*, sér. 4, 14(5): 48, pl. 8, fig. 11-13 (1949)

Phormidium raoi (De Toni) Senna & Compère, comb. nov.
Bas.: *Oscillatoria raoi* De Toni, *Diagn. Alg. Nov.* 1, cent. 6: 560 (1939)

Syn.: *Oscillatoria variabilis* Rao, *Proc. Ind. Acad. Sc., B*, 3: 172, fig. 3A-D (1936), non *Phormidium variabile* (Wille) Anagn. & Kom.

Zygophyceae

Bambusina borreri (Ralfs) Cleve var. ***brasiliensis*** (Förster) Senna & Compère, comb. nov.

Bas.: *B. brebissonii* Kütz. ex Kütz. var. *brasiliensis* Förster, Amazoniana 2: 101, pl. 53, fig. 22 (1969)

Bambusina borreri, based on *Didymoprium borreri* Ralfs (1848) is the correct name of that species of filamentous desmids whereas the more often used name *B. brebissonii* Kütz., validated one year later, in 1849, is a later synonym. The Brazilian variety has not yet been transferred under *B. borreri*.

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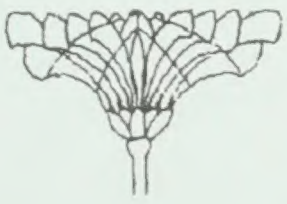

Scripta Botanica Belgica Volume 16

P.A.C. Senna, M.G.M. Souza & P. Compère

A check-list of the algae of the Federal District (Brazil)

A list of all the algae reported from the Federal District of Brazil up to the beginning of 1998 is given (711 names used in the 65 references located). The names are brought to the standard of present day algal taxonomy and six new combinations are therefore provided.

About the authors:

P.A.C. Senna is a Professor at the Department of Ecology of the Federal University of São Carlos, Brazil. He has been studying the freshwater algae of the Federal District during more then ten years.

M.G.M. Souza is a Professor at the Department of Botany of Brasilia University, Federal District. She has been working on the diatoms of planktic and metaphytic environments in the Federal District.

P. Compère is Head of the Department Bryophytes and Thallophytes of the National Botanic Garden. He has a long experience in tropical phycology and is the author of many contributions on African algae.

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